

THE NOMINAL TAXA DESCRIBED BY
R. B. BENSON AND THEIR TYPES, WITH A
BIBLIOGRAPHY OF HIS WORKS (HYMENOPTERA)

BY
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SYNOPSIS

A catalogue of the nominal taxa described by R. B. Benson is given with notes on the type-material on which the names are based. A total of 51 family-group, 51 genus-group and 264 species-group names is included; one lectotype is newly designated. A bibliography to 219 papers and 20 reviews is given, together with a species index.

INTRODUCTION

THE purpose of this paper is to bring together the very substantial contribution to the knowledge of the Symphyta published during the years 1923-1968 by the late R. B. Benson. He was interested in the Symphyta of Europe, the Mediterranean, arctic and montane regions, Australia and New Guinea; in the Siricoidea, Cephoidea, Xyeloidea, Orussoidea, Tenthredinoidea: Nematinae, *Athalia*, *Tenthredopsis* and *Rhogogaster* of the world. Prior to Benson's works on the Symphyta the standard works for the European fauna were those of Cameron, Morice, Konow, Enslin. These were later added to by the contributions of Benes, Linqvist, Malaise, Vikberg and other continental authors. In England the late Dr R. C. L. Perkins had started working on the sawflies of Devonshire. He worked especially on the Nematinae and *Dolerus*; he prepared keys to most of the genera of the Nematinae and his key to the British species of *Dolerus* (*Entomologist's mon. Mag.* 66 : 235-

248) was published. Perkins allowed Benson to take copies of his keys to the Nematine genera. These were extremely useful to Benson and gradually became altered beyond recognition in the course of his research, leading finally to his three major works in the Royal Entomological Society of London's *Handbooks for the Identification of British Insects* series.

The paper is presented in two parts; the first is an alphabetical catalogue of the taxa and names proposed by Benson and the second is a bibliography of Benson's works. All species-group names listed in Part I are listed in their original combinations and for each taxon the entry is arranged to show the following information in the sequence indicated.

Name; author; date and page references of the original publication; status and sex of the primary type; authority for the lectotype designation (if relevant); data of the primary type; type-depository. Explanatory notes and annotations.

The following points should be noted in relation to the foregoing list of holotype information. In a few instances holotypes have not been confirmed as being housed in the institutions named in the original publication. It has sometimes been necessary to cite syntype series where no holotype was designated. The one new lectotype designation is indicated by the words 'LECTOTYPE' and 'by present designation'.

Of a total of 264 holotypes 98 are deposited in institutions other than the British Museum (Natural History)

Although not published in his earlier papers the later papers did have the holotype numbers in the original descriptions. I have in the course of checking the holotypes housed in the BMNH added the serial numbers. The actual label is written in the style B.M.TYPE. HYM. 1.778 but for convenience I have listed the numbers as for example BMNH. No. 1.778. Where holotypes are deposited in other institutions I have indicated the same together with any other prefix attached to the number. All Benson's holotypes bear a circular red-edged label with the word type, holotype or allotype printed in the centre. All Symphyta holotype numbers in the BMNH collection are prefixed with the serial number 1. All holotypes carry determination labels in Benson's handwriting together with printed data labels as indicated in the original publication unless otherwise indicated. Holotypes deposited in other institutions, although not always seen by the author, have been checked and their condition reported on unless otherwise indicated. In some instances Benson (mainly 1938*h*) proposed subfamilies and tribes based upon type-genera for which family-group names already existed. I have not considered it necessary to search out the first usage (and therefore the true authorship) of such names, and have merely listed them as Benson proposed them. An example is Pamphiliinae which Benson cited as 'subfam. n.', although the family name Pamphiliidae (also based on *Pamphilius* Latreille) had existed for very many years. Reviews by Benson are listed separately rather than in the main bibliography. In the case of one joint paper with Wong (1965) the species described (*Pristophora plaumanni*) is attributed to Wong and therefore not included in the catalogue of species-group taxa. Benson's last paper (1968, *Hymenoptera from Turkey. Symphyta*) had already been submitted for publication before his death.

To condense the text the following abbreviations have been used. The depositories are listed in alphabetical order of the abbreviations. This list includes depositories for the paratypes.

AM	Australian Museum, Sydney.
AMG	Albany Museum, Grahamstown.
ANIC	Australian National Insect Collection, Canberra.
BMNH	British Museum (Natural History), London.
BNN	Bundner Naturhistorisches and Nationalpark, Chur.
BPBM	Bernice P. Bishop Museum, Honolulu.
CIBC	Commonwealth Institute of Biological Control, Bangalore.
CNC	Canadian National Collection, Ottawa.
DEI	Deutsches Entomologisches Institut, Eberswalde.
IE	Istituto di Entomologia, Bologna.
IEA	Istituto di Entomologia Agraria dell'Università degli Studi, Padua.
IEE	Instituto Español de Entomología, Madrid.
MACN	Museo Argentino de Ciencias Naturales, Buenos Aires.
MCSN	Museo Civico di Storia Naturale, Verona.
MCSNGD	Museo Civico di Storia Naturale 'Giacomo Doria', Genoa.
MM	Moravske Museum, Preslova 1, Brno.
MNHN	Muséum National d'Histoire Naturelle, Paris.
MNHU	Museum für Naturkunde der Humboldt-Universität, Berlin.
MP	Museu de Zoologia da Universidade, Sao Paulo.
MRAC	Musée Royal de l'Afrique Centrale, Tervuren.
MZ	Musée Zoologique, Lausanne.
NM	Naturhistorisches Museum, Vienna.
NMP	Natal Museum, Pietermaritzburg.
NMR	National Museum of Rhodesia, Bulawayo.
NMV	National Museum of Victoria, Melbourne.
NR	Naturhistoriska Riksmuseum, Stockholm.
QM	Queensland Museum, Brisbane.
RNH	Rijksmuseum van Natuurlijke Historie, Leiden.
SAM	South Australian Museum, Adelaide.
UM	University Museum, Oxford.
USNM	U.S. National Museum, Washington.
UZI	Universitetets Zoologiska Institution, Lund.
WAM	Western Australian Museum, Perth.
ZM	Musée Zoologique de Strasbourg, Strasbourg.
ZSBS	Zoologische Sammlung des Bayerischen Staates, Munich.

ACKNOWLEDGEMENTS

It gives me great pleasure to thank all those people in the many scientific institutions holding Benson holotype and paratype material for their kind assistance in answering my queries and in many cases listing many useful pieces of information concerning the material. I am grateful also to Dr R. W. Crosskey, the Head of the Hymenoptera Section in the British Museum (Natural History), for suggesting the compilation of this paper and for his help and constructive criticism during its preparation.

A SHORT BIOGRAPHY OF R. B. BENSON

Robert Bernard Benson, the son of W. L. M. Benson of Berkhamsted, was born in London on 16 May 1904 and died on 5 November 1967. He was educated at Berkhamsted School and St Catherine's College, Cambridge. After a short period as a schoolmaster he joined the staff of the British Museum (Natural History) on 1 January 1929, in the Department of Entomology. He was appointed to take charge of Symphyta and Cynipoidea and he became a principal authority on sawflies, this being based on material built up from his own collecting both here in the United Kingdom and abroad. He had a wide interest in natural history, particularly in the botanical field, which enabled him better to understand the ecological problems of his chosen group, the Symphyta. He undertook many collecting trips to continental Europe and in 1956 he visited Canada – having been successful in obtaining a Leverhulme Research Fellowship. He was very active in the field of nature conservation, being Chairman of the Royal Entomological Society's Conservation (Insect Preservation) Committee for a number of years. He served a term as President of the Hertfordshire Natural History Society and of the Society for British Entomology. From 1936–1967 he was on the panel of editors for the *Entomologist's Monthly Magazine*. In 1949 he was made Membre Honoraire of the Société Royale d'Entomologie de Belgique. In the museum his outstanding contribution to research in the sphere of entomology was recognized by his merit promotion to Senior Principal Scientific Officer.

PART I. AN ALPHABETICAL CATALOGUE OF THE TAXA AND NAMES
PROPOSED BY BENSON AND THEIR TYPES

Family-group names

- ACIDEOPHORINI** Benson, 1938*h* : 366. Type-genus: *Acideophora* Konow, 1899.
ATELOZINI Benson, 1938*h* : 367. Type-genus: *Atelozia* Enderlein, 1919.
ATHERMANTINAE Benson, 1938*h* : 375. Type-genus: *Athermantus* Kirby, 1882.
ATHETOCEPHINAE Benson, 1935*f* : 541. Type-genus: *Athetocephus* Benson, 1939*f*.
ATOMACERINAE Benson, 1938*h* : 373. Type-genus: *Atomacera* Say, 1836.
CACOSYNDIINI Benson, 1959*f* : 125. Type-genus: *Cacosyndia* Kirby, 1883.
CAENOLYDINI Benson, 1945*e* : 29. Type-genus: *Caenolyda* Konow, 1897.
CALIROINI Benson, 1938*h* : 368. Type-genus: *Caliroa* Costa, 1859.
CEPHALCIINAE Benson, 1945*e* : 28. Type-genus: *Cephalcia* Panzer, 1805.
CEPHALCIINI Benson, 1945*e* : 29. Type-genus: *Cephalcia* Panzer, 1805.
CLADIUCHINI Benson, 1938*h* : 366. Type-genus: *Cladiucha* Konow, 1902.
CONOCOXINAE Benson, 1938*h* : 382. Type-genus: *Conocoxa* Rohwer, 1911.
CORYNINAE Benson, 1938*h* : 371. Type-genus: *Corynis* Thunberg, 1789.
DILOCERINAE Benson, 1938*h* : 375 (as Dielocorinae, lapsus). Type-genus: *Dielocerus* Curtis, 1841.
DISTEGINI Benson, 1938*h* : 367. Type-genus: *Distega* Konow, 1904.
DOCHMIOGLENEINI Benson, 1938*h* : 364. Type-genus: *Dochmioglene* Enderlein, 1919.
ERIGLENINAE Benson, 1938*h* : 375. Type-genus: *Eriglenum* Konow, 1901.
GUIGLIINI Benson, 1955*a* : 16. Type-genus: *Guiglia* Benson, 1938.
HEPTAMELINI Benson, 1938*h* : 368. Type-genus: *Heptamelus* Haliday, 1855.
LEPTORUSSINI Benson, 1955*a* : 19. Type-genus: *Leptorussus* Benson, 1955.

- MACROPHYINI** Benson, 1946b : 34. Type-genus: *Macrophya* Dahlbom, 1835.
MACROXYELINAE Benson, 1945f : 36,37. Type-genus: *Macroxyela* Kirby, 1882.
NEUROTOMINI Benson, 1945e : 29. Type-genus: *Neurotoma* Konow, 1897.
PACHYCEPHINI Benson, 1946c : 93, 100. Type-genus: *Pachycephus* Stein, 1876.
PACHYLOSTICTINAE Benson, 1938h : 371. Type-genus: *Pachylosticta* Klug, 1824.
PACHYLOTINAE Benson, 1938h : 375. Type-genus: *Pachylota* Westwood, 1841. Benson attributed the name *Pachylota* to Curtis in error.
PAMPHILIINAE Benson, 1945c : 28. Type-genus: *Pamphilius* Latreille, 1802.
PAMPHILIINI Benson, 1945c : 30. Type-genus: *Pamphilius* Latreille, 1802.
PARALYPIINAE Benson, 1935e : 224. Type-genus: *Paralypia* Kirby, 1882.
PEDICRISTINAE Benson, 1935a : 6. Type-genus: *Pedicrista* Benson, 1935.
PERGULINAE Benson, 1934i : 463. Type-genus: *Pergula* Morice, 1918.
PERINEURINI Benson, 1946b : 35. Type-genus: *Perineura* Hartig, 1837.
PLEURONEURINAE Benson, 1945f : 36. Type-genus: *Pleuroneura* Konow, 1897.
PTERYPERGINAE Benson, 1938h : 381. Type-genus: *Pteryperga* Benson, 1938.
PSEUDODINEURINI Benson, 1938h : 369. Type-genus: *Pseudodineura* Konow, 1885.
PTILIINI Benson, 1938h : 375. Type-genus: *Ptilia* Lepeletier, 1823.
SCIAPTERYGINI Benson, 1946b : 35. Type-genus: *Sciapteryx* Stephens, 1835.
SENOCLIINI Benson, 1938h : 367. Type-genus: *Senoclia* Cameron, 1877.
SERICOCERINI Benson, 1938h : 376. Type-genus: *Sericocera* Brullé, 1846.
SJOESTEDTIINI Benson, 1938h : 375. Type-genus: *Sjoestedtia* Konow, 1907.
STERICTOPHORINI Benson, 1938h : 376. Type-genus: *Sterictiphora* Billberg, 1820.
STYRACOTECHYINAE Benson, 1935e : 223. Type-genus: *Styractechys* Benson, 1935.
SYNTEXIDAE Benson, 1935f : 536. Type-genus: *Syntexis* Rohwer, 1915.
TANYPHATNIDEINI Benson, 1938h : 375. Type-genus: *Tanyphatnidea* Rohwer, 1912.
TENTHREDOPSINI Benson, 1946b : 35. Type-genus: *Tenthredopsis* Costa, 1859.
TOMOSTETHINI Benson, 1938h : 367. Type-genus: *Tomostethus* Konow, 1886.
TOPOTRITINI Benson, 1938h : 375. Type-genus: *Topotritia* Kirby, 1882.
THEMINAE Benson, 1938h : 375. Type-genus: *Themos* Norton, 1867.
TRICHORHACHINAE Benson, 1938h : 373. Type-genus: *Trichorhachus* Kirby, 1882.
XENAPATEINI Benson, 1938h : 366. Type-genus: *Xenapates* Kirby, 1882.
XYELECIINAE Benson, 1945f : 36. Type-genus: *Xyelecia* Ross, 1932.

Genus-group taxa

- ANAFENUSA** Benson, 1959e : 92. Type-species: *Entodecta impropia* Malaise, 1931, by original designation.
ANATAXATES Benson, 1939e : 122. Type-species: *Taxonus gaullei* Konow, 1896, by original designation.
ANTIPERGA Benson, 1939g : 329. Type-species: *Perga antiopa* Morice, 1919, by original designation.
APETHYMUS Benson, 1939a : 112. Type-species: *Dolerus abdominalis* Lepeletier, 1823, by original designation [cited as *Emphytus abdominalis* (Lepeletier) Benson].
ATHETOCEPHUS Benson, 1935f : 541. Type-species: *Athetocephus madacassus* Benson, 1935, by original designation.
CEPHALOCEPHUS Benson, 1946c : 100. Type-species: *Cephalocephus xanthus* Benson, 1946, by original designation.
CHEILOPHLEPS Benson, 1938f : 237. Type-species: *Cheilophleps xantha* Benson, 1938, by original designation.
CLADARDIS Benson, 1952b : 103. Type-species: *Tenthredo elongatula* Klug, 1814, by monotypy.
DENTATHALIA Benson, 1931a : 134 (subgenus of *Athalia* Leach, 1817). Type-species: *Athalia scutellariae* Cameron, 1881, by original designation.

- DICROSTEMA** Benson, 1952*b* : 98, 101. Type-species: *Selandria gracilicornis* Zaddach, 1859, by original designation.
- ELINORA** Benson, 1946*b* : 35, 39. Type-species: *Allantus dominiquei* Konow, 1894, by original designation.
- EOPSIS** Benson, 1959*g* : 121. Type-species: *Eopsis beaumonti* Benson, 1959, by original designation.
- ERITREMEX** Benson, 1943*c* : 35, 42. Type-species: *Tremex smithi* Cameron, 1876, by original designation.
- GILPINIA** Benson, 1939*f* : 341. Type-species: *Lophyrus polytomus* Hartig, 1834, by original designation.
- GUIGLIA** Benson, 1938*d* : 8. Type-species: *Guiglia bombycinis* Benson, 1938, by original designation.
- GRYPONEURA** Benson, 1954*h* : 157, 161. Type-species: *Xiphydria quadrimaculata* Cameron, 1899, by original designation.
- HALIDAMIA** Benson, 1939*a* : 111. Type-species: *Hylotoma affinis* Fallén, 1807, by original designation [cited as *Blenmocampa affinis* (Fallén) Enslin].
- HAPLOCEPHUS** Benson, 1935*f* : 544. Type-species: *Haplocephus aureus* Benson, 1935, by original designation.
- HELIORUSSUS** Benson, 1955*a* : 16. Type-species: *Heliorussus scutator* Benson, 1955, by original designation.
- HINATARA** Benson, 1936*d* : 623. Type-species: *Fenusa excisa* Konow, 1885, by original designation.
- HYSATHALIA** Benson, 1962*a* : 349. Type-species: *Athalia przevalskyi* Jakovlev, 1887, by original designation.
- KULCANIA** Benson, 1935*a* : 2. Type-species: *Ophrynopus costaricensis* Bischoff, 1928, by original designation.
- LEPTORUSSUS** Benson, 1955*a* : 16, 19. Type-species: *Leptorussus africanus* Benson, 1955, by original designation.
- MELISANDRA** Benson, 1939*a* : 110. Type-species: *Tenthredo morio* Fabricius, 1781, by original designation [cited as *Selandria morio* (Fabricius) Enslin].
- MICROCEPHUS** Benson, 1935*f* : 545. Type-species: *Monoplopus judaicus* Konow, 1907, by original designation.
- NEATEUCHOPUS** Benson, 1935*f* : 543. Type-species: *Neateuchopus tigris* Benson, 1935, by original designation.
- NEOSYRISTA** Benson, 1935*f* : 547. Type-species: *Neosyrista japonica* Benson, 1935, by original designation.
- NEPIONEMA** Benson, 1960*c* : 173. Type-species: *Nepionema helvetica* Benson, 1960, by original designation.
- NOTOFENUSA** Benson, 1959*e* : 91. Type-species: *Scolineura surosa* Konow, 1905, by original designation.
- ORUSSELLA** Benson, 1935*a* : 2. Type-species: *Orussus dentifrons* Philippi, 1873, by original designation.
- Benson states that the description of this genus is taken entirely from the descriptions of the species already published by Philippi (1873) and Rohwer (1925).
- ORUSSOBAIUS** Benson, 1938*d* : 5, 8. Type-species: *Orussobaius mesembrinus* Benson, 1938, by original designation.
- PARNA** Benson, 1936*d* : 621. Type-species: *Tenthredo* (*Allantus*) *tenella* Klug, 1914, by original designation.
- PEDICRISTA** Benson, 1935*a* : 2. Type-species: *Pedicrista hyalina* Benson, 1935, by original designation.
- PERGAGRAPTA** Benson, 1939*g* : 329, 340. Type-species: *Perga bella* Newman, 1841, by original designation.
- PERREYIELLA** Benson, in Benson & Conde, 1938*f* : 124, 131, 132. Type-species: *Lophyrus melanoptera* Perty, 1853, by original designation.

- PHYLLOCOLPA** Benson, 1960d : 60. Type-species: *Nematus leucapsis* Tischbein, 1846, by original designation.
- PLATYPSECTRA** Benson, 1938b : 614, 618. Type-species: *Pterygophorus analis* Costa, 1862, by original designation.
- PRIONOMEION** Benson, 1939f : 341. Type-species: *Lophyrus gaullei* Konow, 1906, by original designation.
- PTERYPERGA** Benson, 1938b : 622. Type-species: *Pteryperga galla* Benson, 1938, by original designation.
- RHIPIDOTENUS** Benson, 1954i : 115, 117, 118. Type-species: *Rhipidotenus cinderellae* Benson, 1954, by monotypy.
- RHYSACEPHALA** Benson, 1954h : 157, 158. Type-species: *Xiphidria obtusiventris* Rohwer, 1918, by original designation.
- SELJUKIA** Benson, 1966c : 76. Type-species: *Seljukia tenebrosa* Benson, 1966, by original designation.
- STAUROHEMA** Benson, 1948a : 22. Type-species: *Nematus compressicornis* Fabricius, 1804, by monotypy.
Name preoccupied by *Stauronema* Sollas, 1877 (Spongida), see *Stauronematus* Benson, 1953d : 153.
- STAUROHEMATUS** Benson, 1953d : 153. Type-species: *Nematus compressicornis* Fabricius, 1804.
Replacement name for *Stauronema* Benson, junior homonym of *Stauronema* Sollas, 1877.
- STEIROCEPHALA** Benson, 1954h : 157, 158. Type-species: *Derecyrta reedii* Kirby, 1882, by original designation.
- STETHOMOSTUS** Benson, 1939a : 111. Type-species: *Tenthredo fuliginosus* Schrank, 1781, by original designation.
- STYPHELARGE** Benson, 1938e : 119. Type-species: *Trichorhachus abdominalis* Kirby, 1882, by original designation.
- STYRACOTECHYS** Benson, 1935e : 224. Type-species: *Styracotechys dicelysma* Benson, 1935, by original designation.
- WARRA** Benson, 1934i : 465, 470. Type-species: *Clarissa froggatti* Rohwer, 1922, by original designation.
- XIPHIDIAPHORA** Benson, 1954h : 161. Type-species: *Xiphidiaphora erebus* Benson, 1954, by original designation.
- XYELATANA** Benson, 1938a : 34. Type-species: *Xyela longula* Dalman, 1819, by original designation.

Species-group taxa

- Abia plana** Benson, 1954d : 271. Holotype ♀, HUNGARY: Retyezáth, 1200–1800 ft, 6–7.vi.1937 (*B. Liphay*) (BMNH, No. 1.674).
Paratypes. 1 ♂, same data as holotype; 1 ♂, same data as holotype except date 24.v.–4.vi.1937 (BMNH).
The right antenna of the holotype is missing.
- Acanthoperga marlatti** Benson, 1939g : 355, 356. Holotype ♀, AUSTRALIA: New South Wales, E. Darrigo, Brooklana [publ. E. Dorrigo, Brooklands], 1929 (*W. Heron*) (AM, Sydney, No. K59211).
The holotype is in good condition.
- Acanthoperga melanocera** Benson, 1965c : 48. Holotype ♀, NEW GUINEA: S.E., Mt Giluwe, 2500 m, 1.v.1963 (*J. Sedlacek*) (BPBM, Honolulu, No. 9850).
The holotype is in good condition. Attached to the holotype is a further label bearing an unpublished manuscript name.
- Acherdocerus annulicornis** Benson & Conde, 1938f : 123, 138. Holotype ♂, BRAZIL: Espirito Santo, Sta. Thereza, 23.xi.1928 (DEI, Eberswalde).

The holotype is in good condition; it has a red rectangular label with the word 'Typus' printed on it. The determination label reads '*Acherdocerus annulicornis* O. Conde. Typus ♂.' *Acherdocerus fabulosus* Benson & Conde, 1938f: 123, 148. Syntypes 27 ♂, BRAZIL: Espirito Santo, Sta. Thereza and Leopoldina; syntypes 4 ♂, Rio de Janeiro (Sta. Thereza); syntype 1 ♂, Represa Ciganos bei Rio von Souza Lopes, captured mid October to mid January.

Only two syntypes have been traced. The Hungarian Natural History Museum has 1 ♂, labelled '*Acherdocerus fabulosus* Conde, "Typus" ♂.' The data are BRAZIL: Espirito, Sto, Sta. Thereza, 17.x.1928 (O. Conde). The Polish Academy of Sciences has 1 ♂, labelled '*Acherdocerus fabulosus*, typus- O. Conde det. 1937.' The data are BRAZIL: Espirito, STO, STA, Thereza, 17.x.1928 (O. Conde).

Acherdocerus horni Benson & Conde, 1938f: 123, 137. Holotype ♀, BOLIVIA: Mapiri (Coll. Konow) (DEL, Eberswalde).

The holotype has data labels and a red rectangular label with the word 'typus' printed on it. The determination label is '*Acherdocerus horni* Typus ♀, O. Conde, 1933.' The holotype is in good condition except that the right forewing and one leg from the right hand side of the specimen are mounted separately. The remaining legs from the right side of the specimen are missing.

Acherdocerus luederwaldti Benson & Conde, 1938f: 123, 145. Holotype ♂, BRAZIL: Sao Paulo, Ypiranga (*Luederwaldt*), 17.ix.1927 (cited as Museu Paulista; I have been unable to confirm the location of the holotype).

Paratype. BRAZIL: 1 ♂, Rio Grande (BMNH).

The paratype is in good condition.

Acherdocerus multiannulatus Benson & Conde, 1938f: 123, 150. Syntypes 23 ♂, COSTA RICA: San Jose (*H. Schmidt*).

Only nine syntypes have been located. Eight are housed in the Polish Academy of Sciences. They bear the following labels 'Typus, O. Conde, det. 1937, Costa Rica, N. Shmidt S.' All specimens have the label '*Brachytoma similis* Enderl., typus', attached. One specimen has a label 'similis Malaise det., 1938.' One ♂ syntype is in the Hungarian Natural History Museum and is labelled '*Acherdocerus multiannulatus*' Conde, 'Typus' ♂ 'Costa Rica, San Jose.'

All the located syntypes are in good condition.

Acorduleceros megacephalus Benson, 1940a: 463. Holotype ♂, BRAZIL: Pernambuco, 1937 (L. Pyenson, no. 673) (BMNH, No. 1.638).

Paratypes. 1 ♀ (allotype), same data as holotype; 3 ♂, same data as holotype (BMNH).

The holotype has only two segments of the left antenna and four segments of the right antenna remaining.

Aglaostigma aucupariae subsp. *lacteore* Benson, 1968a: 155. Holotype ♂, TURKEY: Trabzon, Zigana Gecidi, 1650 m, 22.v.1962 (*Guichard & Harvey*) (BMNH, 1.815).

Paratypes. TURKEY: 1 ♂, 1 ♀, Bursa, Uludag, 500 m (*Guichard & Harvey*); 1 ♀, Samsun, 20.vii.1959 (*Guichard*); 1 ♂, Trabzon, Zigana Gecidi, 1650 m, 22.v.1962; 1 ♀, Artvin, 1800 m, 6.vi.1962 (*Guichard & Harvey*) (BMNH).

The holotype is in good condition.

Aglaostigma subalpinum Benson, 1946b: 37. Holotype ♀, SWITZERLAND: Valais, Les Haudères, 4000-5000 ft, 6-27.vi.1935 (*J. E. & R. B. Benson*) (BMNH, 1.715).

Paratypes. SWITZERLAND: 1 ♂ (allotype), same data as holotype (BMNH); 1 ♂, Ferpècle, 5000-7000 ft, 21-27.vi.1935 (*J. E. & R. B. Benson*) (BMNH).

The holotype has only two segments of the right antenna and four segments of the left antenna remaining; otherwise it is in good condition.

Amauronematus alberich Benson, 1934e: 208. Holotype ♀, BEAR ISLAND: Nordhama, 28.vii.1932 (*D. Lack*) B.M. 1932-37 (BMNH, 1.419).

Paratypes. BEAR ISLAND: 1 ♂ (allotype), same data as holotype except date 23.vi. 1932; 6 ♂, 1 ♀, Royevatnet, 17.vii.1932 (*D. Lack*); 1 ♂, Syvertsentsjorna, 12.vii.1932 (*D. Lack*); 1 ♂, Laksvatnet, 23.vii.1932 (*D. Lack*); 1 ♂, Ella Lake, 26.vii.1932 (*D. Lack*).

The holotype is in poor condition. All wings are torn and the right antenna has only seven segments remaining.

Amauronematus alsius Benson, 1935*b*: 32. Holotype ♀, GREAT BRITAIN: Scotland, Inverness-shire, Cairn Gorm Mountains, Lairig Ghru, above 2000 ft, 10.vi.1934 (*J. E. & R. B. Benson*) (BMNH, No. 1.640).

Paratype. 1 ♀, same data as the holotype (BMNH).

The holotype is in good condition except that the left antenna has only four segments remaining.

Amauronematus crispus Benson, 1948*b*: 30. Holotype ♀, GREAT BRITAIN: England, Hunts, Woodwalton Fen, 10–11.vi.1947 (*R. B. Benson*) (BMNH, No. 1.687).

Paratypes. GREAT BRITAIN: 2 ♂, 6 ♀, same data as the holotype (BMNH); 1 ♀, England, Devon, Newton Abbot, bred 9.iv.1922, 1 ♀, Bovey Tracey, bred iv. 1923, 1 ♀, 28.v.1914 (*R. C. L. Perkins*) (UM, Oxford); 1 ♀, England, Somerset, Shapwick, 20.v.1923 (*H. A.*) (*R. C. L. Perkins* Coll.) (UM, Oxford); 1 ♀, England, Herts, Bricket Wood, bred v. 1937, 1 ♀, 31.v.1937 (*R. B. Benson*) (BMNH); 1 ♀, England, Norfolk, King's Lynn (*F. D. Morice* Coll.) (UM, Oxford); 1 ♀, England, Cambridge (*R. C. L. Perkins* Coll.) (UM, Oxford); 1 ♀, England, Lancs, Ainsdale, 10.v.1930 (*H. Britten*) (BMNH); 1 ♀, Wales, Glamorgan, Cyrt-yr-ala (*H. M. Hallett*) (*R. C. L. Perkins* Coll., UM, Oxford); 1 ♀, Scotland, Caithness, Thurso, bred iv. 1935, from larva on *Salix repens* L., iv. 1934 (*R. B. Benson*) (BMNH). HOLLAND: 1 ♀, Den Haag, 5.v.1923 (*J. van der Vecht*) (*F. D. Morice* Coll., UM, Oxford). SWEDEN: 2 ♀, Skåne, Dalby, 6.v.1938 (*D. M. S. & J. F. Perkins*); 7 ♀, same data except date 13.v.1938; 1 ♀, Glenarnp, 14.v.1938 (*D. M. S. & J. F. Perkins*) (BMNH).

The holotype is in good condition except for the left antenna, of which only seven segments remain.

Amauronematus godmani Benson, 1955*d*: 104. Holotype ♀, SWITZERLAND: Valais, Ferpècle, 2100–2400 m, 22.vi.1935 (*J. E. & R. B. Benson*) (BMNH, No. 1.688).

Paratypes. SWITZERLAND: 30 ♂, 11 ♀, same data as holotype (BMNH); 8 ♂, same data as holotype except date 9.vi.1935 (BMNH); 14 ♂, same data except height and date, 1800–2100 m, 14.vi.1935 (BMNH); 30 ♂, 18 ♀, Arolla, 1800–2100 m (*J. E. & R. B. Benson*) (BMNH); 1 ♂, same data except height and date, 2100 m, 18.vi.1935 (*J. E. & R. B. Benson*) (BMNH); 2 ♂, 2 ♀, Arolla, 2500 m, 30.vi.1935 (*J. E. & R. B. Benson*) (BMNH); 1 ♀, Alp du Zaté, 2000 m, 20.vi.1935 (*J. E. & R. B. Benson*); 4 ♂, same data except height and date 2100–2400 m, 7–9.vii.1935 (*J. E. & R. B. Benson*) (BMNH).

The holotype is in good condition.

Amauronematus mcluckiei Benson, 1935*b*: 31. Holotype ♀, GREAT BRITAIN: Scotland, Inverness-shire, Cairn Gorm, above 3000 ft, 27.vi.1934 (*J. E. & R. B. Benson*) (BMNH, 1.642).

Paratypes. GREAT BRITAIN: 1 ♂ (allotype), 3 ♀, same data as holotype; 1 ♀, same data as holotype except date, 29.vi.1932 (*J. E. & R. B. Benson*) (BMNH); 2 ♂, 1 ♀, Scotland, Mount Braeriach, 4000 ft, 25.vi.1934 (*J. E. & R. B. Benson*) (BMNH); 11 ♂, 29 ♀, Scotland, Perthshire, Breadalbane Mountains, above 2500 ft, 31.v.–6.vi.1932 (*R. B. Benson*) (BMNH).

The holotype has only seven segments remaining of the right antenna.

Amauronematus nimbus Benson, 1960*c*: 177. Holotype ♀, SWITZERLAND: Valais, near Verbier, 8000–8500 ft (*J. E. & R. B. Benson*) (BMNH, 1.767).

Paratypes. SWITZERLAND: 3 ♀, same data as the holotype (BMNH); 2 ♂, 1 ♀, Ferpècle, 5000–7000 ft, 9.vi.1935 (*J. E. & R. B. Benson*); 4 ♂, 3 ♀, same data except date 21–27.vi.1935; 2 ♂, 3 ♀, same data except date 14.vi.1935; 5 ♂, same data except height and date, 7000–8000 ft, 22.vi.1935 (*J. E. & R. B. Benson*); 1 ♂, Les Haudères, Alp du Zaté, 6000–8000 ft; 1 ♂, same data except date 10–20.vi.1934; 1 ♂, same data except date 29.vi.1935 (*J. E. & R. B. Benson*); 3 ♂, 9 ♀, Aletschwald 6000–7000 ft (*J. E. & R. B. Benson*); 3 ♂, 9 ♀, same data except date 7–17.vi.1959, 3 ♀, Bettmeralp, 5–16.vi.1959 (*J. E. & R. B. Benson*); 1 ♂, Eggishorn, Marjelenalp, 7–8000 ft; 1 ♂, same data except date 18.vi.1959 (*J. E. & R. B. Benson*) (BMNH).

The holotype is in good condition. Benson states that a sample collection of high alpine sawflies is being deposited in MZ, Lausanne.

Amauronematus perkinsi Benson, 1933*d* : 256. Holotype ♀, GREAT BRITAIN: England, Buckinghamshire, Halton, 24.v.1930 (*R. B. Benson*) (BMNH, 1.641).

Paratypes. GREAT BRITAIN: 1 ♀, England, Devonshire, Dartmoor, bred from larva on *Salix*, 21.iv.19? (*R. C. L. Perkins*) (UM, Oxford); 1 ♀, England, Hampshire, Lyndhurst, bred from larva on *Salix* (*Miss E. F. Chawner*) (BMNH). The Chawner specimen bears a det. label by Conde '*Amauronematus fasciatus* Konow' and has no antennae. One other specimen bearing a circular yellow-edged paratype label stands in the BMNH collection. It has the following labels '*Amauronematus* Nom in Coll. suo et d.d. 1930, R. C. L. Perkins'; '*Amauronematus perkinsi* Benson Paratype ♀ 1934'; and '*Amauronematus fasciatus* Konow ♀ det. R. B. Benson 1947.'

The holotype data conflicts with the published data and reads as follows: 'Bucks, Dancers End, 29.v.1930, *R. B. Benson*, B.M. 1930-167.' The holotype is in good condition.

Amauronematus rex Benson, 1948*b* : 32. Holotype ♀, GREAT BRITAIN: England, Bucks, Whaddon Chase, bred iii. 1946, from mixed batch of larvae on *Salix atrocinerea* Brot. and *aurita* L. collected v. 1945 (*R. B. Benson*) (BMNH, 1.685).

Paratypes. GREAT BRITAIN: 2 ♀, England, Beds, Heath and Reach, Kings Wood, bred 27.iv.1947 on *Salix aurita* L. (*V. H. Chambers*); 1 ♀, England, Great Haldons, 13.iv.1926 (*R. C. L. Perkins*) (not located). IRELAND: 1 ♀, N. Kerry, Kilmaly (*E. F. Bullock*) (not located); 2 ♀, Dumcarban, 11.v.1947; 2 ♀, same data except date 19.v.1947 (*R. C. Farris*) (BMNH); 2 ♀, Lough Mentis, 16.v.1941 (*R. C. Farris*) (BMNH).

The holotype is in good condition except that seven segments only remain of the right antenna. The genitalia are mounted on a slide dated 17.vii.1947.

1 ♀, labelled paratype and not cited in publication, has the following labels 'L. Mentis c.v. 185.41', 'swept off *S. cineria*', '*Amauronematus rex* Benson 1948' and '*Amaur tillbergi* Mal. det. Lindqvist 1948.'

Amonopadnus nigripennis Benson, 1935*c* : 172. Holotype ♀, JAVA: west, Tapos, Mount Gedeh, 1000 m, 20-26.i.1933 (*J. van der Vecht*) (RNH, Leiden).

The holotype is in good condition and the saw is mounted on a slide.

Amonopadnus pullus Benson, 1935*c* : 173. Holotype ♀, JAVA: west, Rarahan, Mount Gedeh, 1375 m, 21.vi.1932 (*H. R. A. Muller*) (RNH, Leiden).

The holotype is in good condition and the saw is mounted on a slide.

Anaepatema rugafrons Benson, 1935*c* : 176. Holotype ♀, JAVA: tea plantation, Negla, 1700 m, 1916 (*R. Menzel*) (Dr Ch. Ferrière Coll.) (BMNH, 1.260).

The holotype is in good condition except for the right antenna, which is missing.

Ancyloneura annulicornis Benson, 1934*i* : 472, 473. Holotype ♀, NEW GUINEA: (*A. R. Wallace*) (BMNH, 1.468).

The holotype has the antennae missing. Benson states that this specimen is in very bad condition and figured by W. F. Kirby, 1882, p. 95, pl. vii, fig. 7, and that the antenna in fig. 7a has segment three drawn much too long in comparison with the other segments.

Ancyloneura brevisetosa Benson, 1934*i* : 472, 473. Holotype ♀, NEW GUINEA: south-east, Moroka, 1300 m, Loria, vii.-xi. 1893 (MCSNGD, Genoa).

Paratype. 1 ♂ (allotype), same data as holotype (BMNH).

The holotype is in good condition; it bears the following label '*Clarissa guinensi* n. sp. Allotypus ♀, R. Forsius det.'

Ancyloneura frontalis Benson, 1965*c* : 45. Holotype ♂, NEW GUINEA: Vogelkop, Bomberi, 700-900 m, 4.vi.1959 (*J. L. Gressitt*) (BPBM, Honolulu, 9806).

Paratypes. NEW GUINEA: 2 ♂, same data as holotype (BMNH); 1 ♂, same data as holotype (BPBM, Honolulu); 1 ♂, Pak Pak, S. Coast of Bomberai, 10-1000 m, 1 ♂, 3.vi.1959 (*T. C. Maa*) (BPBM, Honolulu); 1 ♂, Manokwari, 75 m, 19-21.vii.1957 (*D. Elmo Hardy*) (BPBM, Honolulu).

The holotype is in good condition.

- Ancyloneura fuscipennis*** Benson, 1934ⁱ: 471, 472. Holotype ♀, NEW GUINEA: (Coll. P. Magretti) (*B. Humboldt*) (MCSNGD, Genoa).
Paratype. 1 ♂ (allotype) (A. R. Wallace Coll.) (BMNH).
The holotype is in good condition.
- Anoplonyx destructor***, Benson, 1952^c: 544. Holotype ♀, GREAT BRITAIN: England, Herts, Tring, 21.v.1942 (*R. B. Benson*) (BMNH, 1.683).
Paratypes. GREAT BRITAIN: 156 ♀ from Devon; Gloucester; Sussex; Surrey; Berks; Bucks; Herts; Cumberland; Northumberland; Montgomery; Perthshire and Inverness, v-vi (BMNH).
The holotype is in good condition. Of the original total only 130 paratypes are now in the BMNH collection.
- Antargidium allucente*** Benson, 1934^h: 230. Holotype ♀, AUSTRALIA: Queensland, near Springsure, Meteor Donns, 18.xi.-3.xii.1930 (*I. M. Mackerras*) (ANIC, Canberra).
Paratype. 1 ♀, same data as holotype (BMNH).
The holotype is in reasonable condition.
- Antargidium atriceps*** Benson, 1935^e: 212. Holotype ♀, AUSTRALIA: New South Wales, Tambourine, 21.ii.1927 (*H. Hacker*) (QM, Brisbane, T. 5931).
Paratypes. AUSTRALIA: 1 ♂ (allotype), same data as holotype (minus head) (QM Brisbane, T. 5933); 1 ♀, Conondale, 7.i.1930 (*H. Hacker*) (BMNH); 1 ♀, Queensland National Park, xi. 1920 (*H. Hacker*) (QM, Brisbane, T.5932).
The holotype is in poor condition; the right wings and the antennae are missing. The genitalia were mounted on a slide which cannot now be located.
- Antargidium dentivalvis*** Benson, 1934^h: 231. Holotype ♀, AUSTRALIA: Queensland, Townsville, 4.xi.1903 (*F. P. Dodd*) (R. E. Turner Coll.) (BMNH, 1.109).
Paratype. 1 ♂ (allotype), same data as holotype (BMNH).
The holotype is in fair condition; the right antenna is missing, the wings are crumpled and the mid right tarsus is missing
- Antargidium rufum*** Benson, 1935^e: 213. Holotype ♀, AUSTRALIA: New South Wales, Toolom, i. 1920 (*H. Hacker*) (QM, Brisbane, T. 5934).
Paratypes. 1 ♀, same data as the holotype (BMNH).
The holotype is in good condition. The genitalia were mounted on a slide which cannot now be located.
- Antiperga clarki*** Benson, 1939^g: 351, 352. Holotype ♀, AUSTRALIA: Western Australia, Perth (*J. Clark*) (QM, Brisbane, T. 5941).
The holotype is in good condition and the genitalia are mounted on a slide. Attached to the holotype is a label '*Perga clarki*' in Benson's handwriting.
- Antiperga enslini*** Benson, 1939^g: 351, 352. Holotype ♀, AUSTRALIA: Western Australia, Perth, 25.ii.-12.iii.1936 (BMNH, 1.522).
Paratypes. 18 ♀, same data as holotype (BMNH); 1 ♂ (allotype), 2 ♀, 16.-29.iii.1936, 'on Melaleuca' (*R. E. Turner*) (BMNH).
Although not so published by Benson (1939^g), the following specimens labelled as paratypes of *Antiperga enslini* Benson have been located. AUSTRALIA: 1 ♂, Western Australia, Swan R., Oct. 1919 (*J. Clark*) (QM, Brisbane, T. 5943); 1 ♀, West Australia, Perth, 25.ii.-12.iii.1936 (*R. E. Turner*), labelled '*Pergama enslini*' by Benson (QM, Brisbane, T5944); 1 ♀, Perth, 25.ii.-12.iii.1936 (*R. E. Turner*) (NMV, Melbourne, T. 4377); 1 ♂, 2 ♀, W. A. Perth (*G. H. Hardy*) (AM, Sydney, K41777).
The right antenna of the holotype is missing.
- Arge clavicornis*** subsp. ***seljuki*** Benson, 1968^a: 127. Holotype ♀, TURKEY: Trabzon, Zigana Dagi, 1400 m, 13.vii.1960 (*Guichard & Harvey*) (BMNH, 1.808).
Paratype. 1 ♀, same data as the holotype (BMNH).
The holotype is in good condition.
- Arge stecki*** Benson, 1939^b: 114. Holotype ♀, SWITZERLAND: Valais, Val d'Herens, Ferpècle, 6,000 ft, 14.vi.1935 (*J. E. & R. B. Benson*) (BMNH, No. 1.829).

Paratype. 1 ♂ (allotype), same data as the holotype except height and date, 5-7000 ft, 21-27.vi.1935 (BMNH).

Benson has in error labelled both specimens as paratypes. As only one ♂ and one ♀ were described and the data and sex of both agree with the published data, it is clear that the ♀ specimen is actually the holotype; it has been labelled accordingly. The holotype has a label 'genitalia mounted on a slide'; on the reverse side of this label is the date '13.iv.39(3)'. The only slide dissection of this species in the BMNH collection is that labelled 'SWITZERLAND: Valais, Les Haudères, 4-5000 ft, vi. 1935. R. B. Benson, 13.iv. 1939 (3)'. As the dissection numbers correlate it is assumed that the wrong data was put on the slide label.

The holotype is in good condition.

Athalia armata Benson, 1961d : 19. Holotype ♂, UGANDA: Ruwenzori Range, Memwamba Valley, xi. 1934-i. 1935 (F. W. Edwards) (BMNH, No. 1.781).

Paratypes. RWANDA: 1 ♀, Lac Karago, 21.iii.1936 (L. Lippens) (MRAC, Tervuren); 3 ♂, 1 ♀, Kundhurn ya Tshuve, Rutabagwe, 2600 m, 13-14.ix.1934 (Coll. Gahinga-Sabinyo); Nyabitsindi (entre volc. Vishoke-Musule), 2400 m, 18.ii.1935; 1 ♂, Lac N'Gando (volc. Karisimbi), 2400 m, 1 ♂, 7-23.i.1935 (G. F. De Witte).

Athalia asbolos Benson, 1961d : 18. Holotype ♀, ZAIRE: Parc National Albert, N.-E. N'Gando 2400 m, Kihorwe, 7-12.iii.1935 (G. F. De Witte) (MRAC, Tervuren).

The holotype is in good condition.

Athalia birmanica Benson, 1962a : 369,372. Holotype ♀, BURMA: north-east, Kambaiti, 7000 ft, 1.iv.-9.vi.1934 (R. Malaise) NR, Stockholm).

Paratypes. 9 ♂, same data as the holotype (NR, Stockholm); 6 ♂, same data as the holotype (BMNH).

The holotype is in good condition.

Athalia brevicornis Benson, 1962a : 358,361. Holotype ♀, LESOTHO: Maseru, 7.i.1953 (C. Jacot-Guillarmod) (BMNH, No. 1.773).

Paratypes. RHODESIA: 2 ♀, Khami, 9.xi.1938 (G. Arnold) (BMNH). SOUTH AFRICA: 1 ♂, 1 ♀, Cape Province, Aliwal North, xii. 1922 (R. E. Turner) (BMNH).

The holotype has only two segments remaining of the left antenna. The mid and hind right legs are damaged.

Athalia cerebus Benson, 1961d : 16. Holotype ♀, ETHIOPIA: Addis Ababa, 8000 ft, 28.vii-15.viii.1945 (K. M. Guichard) (BMNH, No. 1.779).

Paratypes. ETHIOPIA: 1 ♀, same data as the holotype (BMNH); 1 ♀, Goré, 6000 ft, 1.iii.1948 (K. M. Guichard) (BMNH). RWANDA: 1 ♀, Rwankuba (Kisenyi), 2200 m, 28.viii.1953 (A. E. Bertrand) (MRAC, Tervuren).

The holotype is in good condition; the left hind leg is glued separately to the polyporus mount.

Athalia circularis subsp. ***melanoptera*** Benson, 1962a : 365. Holotype ♂, CHINA: Manchuria, Harbin, 1.viii.1943 (P. Alin) (BMNH, No. 1.778).

Paratypes. CHINA: 1 ♂, same data as the holotype (BMNH). INDIA: 1 ♂, Kashmir, 5-6000 ft, v. 1901 (C. G. Nurse) (BMNH).

The holotype is in poor condition; the left wings are torn and the right mid leg is missing.

Athalia cordata subsp. ***kashmirensis*** Benson, 1932a : 187. Holotype ♀, INDIA: Kashmir, Gulmarg, vii. 1931 (T. Bainbrigge Fletcher) (BMNH, No. 1.313).

Paratypes. INDIA: 1 ♂, Assam, Shillong, ix. 1903 (R. E. Turner) (BMNH); 1 ♂, 1 ♀, Kashmir, 6000-7000 ft, v. 1905 (C. G. Nurse) (BMNH).

The holotype is in good condition.

Athalia cornubiae Benson, 1931a : 110. Holotype ♀, GREAT BRITAIN: England, Cornwall, Looe, ix. 1922 (C. G. Champion) (BMNH, No. 1.820).

Paratypes. ITALY: 1 ♀, Gaeta, 24.iv.1895 (F. D. Morice) (UM, Oxford). FRANCE: 1 ♀, Plaine Madalaine, 2000 m, 6. vi. (UM, Oxford). SPAIN: 1 ♀, Corrodonga (Dusmet); 1 ♀, Sierra Nevada, vi. 1926, (Dusmet); 1 ♀, Villaverd, 10.iv.1907 (Dusmet) (at the time of

publication these specimens were deposited in Dr Jose M. Dusmet's private collection in Madrid).

The holotype has both antennae missing.

Athalia cuspidata Benson, 1954*d* : 277. Holotype ♀, ISRAEL: Jerusalem, 16.iv.1943 (*H. Bytinski-Salz*) (BMNH, No. 1.708).

Paratypes. 1 ♀, same data as the holotype (BMNH); 1 ♂, same data as the holotype except date 1.v.1941 (BMNH); 2 ♀, same data as the holotype except date 7.v.1943 (Bytinski-Salz Collection) not located.

The holotype is in good condition.

Athalia dulcis Benson, 1961*g* : 10. Holotype ♀, ZAIRE: Parc National de l'Upemba, Lusinga 1700 m, (MRAC, Tervuren).

Paratypes. ZAIRE: 1 ♂, riv. Dipidi, 1-8.xii.1947 (BMNH). 1 ♂, 10.i.1948 (MRAC, Tervuren).

The holotype is in good condition.

Athalia fuscata Benson, 1962*a* : 379,380. Holotype ♀, KENYA: Aberdare Range, 27.x.1934 (*F. W. Edwards*) (BMNH, No. 1.769).

Paratypes. KENYA: 2 ♀, south-east slopes of Mount Kenya, at edge of forest, 6000-7000 ft, 3-12.ii.1911 (*S. A. Neave*) (BMNH); 1 ♀, Teita Hills, (S.) viii. 1947 (*Van Someren*) (BMNH); 2 ♀, Nyeri, x. 1948 (*Van Someren*) (BMNH). RHODESIA: 1 ♀, Vumba Mountains, Umtali, 19.i.1955 (*B. Stuckenberg*) (NM, Natal); 1 ♀, Chirinda Forest, Mt Selinda, 25.i.1955 (*B. Stuckenberg*) (BMNH) (NMP, Pietermaritzburg).

The holotype is in good condition.

Athalia glabricollis subsp. *meridiana* Benson, 1954*d* : 279. Holotype ♀, IRAN: Suva (Escalera Coll.) (BMNH, No. 1.709).

Paratypes. IRAN: 2 ♂, 7 ♀, same data as the holotype (BMNH). TURKEY: 1 ♀, Ockmen, 12.viii.1939 (*F. S. Bodenheimer*) (BMNH); 1 ♂, Aksehir, 8.viii.1951 (Wahrman Coll.). ISRAEL: 2 ♂, 2 ♀, Jaffa, 24.ii.1951 (*H. Bytinski-Salz* Coll.). JORDAN: 1 ♂, Jericho, 3.iv.1943 (*H. Bytinski-Salz* Coll.); 1 ♀, Al Maghtas, 24.ii.1942 (*H. Bytinski-Salz* Coll.).

The holotype is in good condition.

Athalia guillarmodi Benson, 1956*d* : 412. Holotype ♀, LESOTHO: Mamathes, near Teyateyaneng, 4.xi.1951 (*C. Jacot-Guillarmod*) (BMNH, No. 1.828).

Paratypes. LESOTHO: 3 ♀, 26 ♂, Mamathes near Teyateyaneng, 14.ii-21.iii. and 14.xi.1950-1952 (*C. Jacot-Guillarmod*) (BMNH); 1 ♂, Mokhotlong, 7000 ft, 6.iv.1951, loc. No. 266 (Coll. Swedish S. Afr. Exp.) (UZI, Lund). SOUTH AFRICA: 1 ♂, 2 ♀, Cape Province, Pondoland, Port St. John, 7-13.viii.1923 (*R. E. Turner*) (BMNH); 1 ♂, Cape Province, Lady Grey, 10.xii.1926 (*R. I. Nel* Coll.) (BMNH); 1 ♂, Cape Province, Katberg, 4000 ft, xii. 1932 (*R. E. Turner*) (BMNH); 1 ♀, Cape Province, Burgherdorp, 1865 (*Dr Kannepeyer* Coll.) (BMNH); 2 ♀, Natal, Cedara, xii. 1919 (*R. E. Turner*) (BMNH); 1 ♀, Natal, Kloof, 1500 ft, viii. 1926 (*R. E. Turner*) (BMNH); 1 ♀, Natal, Drakensburg, 4800 ft, 28.ii.1929 (*H. Scott*) (BMNH); 1 ♀, Natal, Royal National Park, Tugela Valley, 5000 ft, 11.iv.1951, loc. No. 271 (Coll. S.Afr. Exp.) (UZI, Lund). RHODESIA: 1 ♀, Inyanga, xi. 1933 (*A. Cuthbertson*) (BMNH).

The holotype is in good condition.

Athalia himantopus subsp. *obsoleta* Benson, 1962*a* : 378. Holotype ♀, ETHIOPIA: Addis Ababa, 7000 ft, 30.xi-13.x.1945 (*K. M. Guichard*) (BMNH, No. 1.771).

Paratypes. 8 ♂, 7 ♀, same data as the holotype (BMNH).

The holotype is in good condition.

Athalia hummeli Benson, 1932*c* : 528. Holotype ♀, CHINA: South Kansu (*Dr Hummel*) (NR, Stockholm).

The holotype is in good condition and the genitalia are mounted on a slide.

Athalia indiana Benson, 1962*a* : 364, 366. Holotype ♀, INDIA: Chakrata, Bodyar, 8000 ft, 21.vi.1923 [publ. as 22.vi.1923] (*C. F. E. Beeson*) (BMNH, No. 1.772).

Paratype. INDIA: 1 ♂, Lambatach, 7600 ft, 9.vi.1924 (*B. M. Bhatia*) (BMNH).

The holotype is in poor condition; the left antenna, left foreleg and mid and hind tarsi are missing. The right fore leg and right hind tarsus are also missing.

Athalia limpopo Benson, 1962a : 373. Holotype ♀, MOZAMBIQUE [publ. as S.E. Africa]: Delagoa Bay (BMNH, No. 1.774).

The holotype has both antennae missing. It has a label 'genitalia of this species mounted on a slide 30.viii.60/3.'

Athalia lugens subsp. *kansuensis* Benson, 1932a : 186. Holotype ♀, CHINA: S. Kansu, Lan Shan, 20.vi.1930 (*Dr Hummel*) (NR, Stockholm).

Paratype. CHINA: 1 ♀, S. Kansu, Lan Shan, 20.vi.1930 (*Dr Hummel*) (BMNH).

The holotype is in good condition.

Athalia mellis Benson, 1962a : 373, 375. Holotype ♀, SOUTH AFRICA: Natal, Biggarsberg, 15.x.1958 (*A. H. Newton*) (BMNH, No. 1.775).

Paratypes. SOUTH AFRICA: 11 ♂, 9 ♀, 1 ♂ and 1 ♀ in copula, same data as the holotype (BMNH); 1 ♂, 1 ♀, Natal, Van Reenen, Drakensberg, 6500-7500 ft, x. 1926 (*R. E. Turner*) (BMNH); 1 ♂, same data except date xi. 1926; 1 ♂, same data except date xii. 1926 (BMNH); 1 ♂, Natal, Pietermaritzburg, 27.iii.1955 (*B. Stuckenburg*) (BMNH); 1 ♀, same data except date ix. 1959 (NM, Natal); 2 ♂, Natal, Edensdale, 1.i.1953 (*E. McCallan*) (BMNH) (NMP, Pietermaritzburg); 1 ♀, Natal, Kloof, 1500 ft, ix. 1926 (*R. E. Turner*) (BMNH); 1 ♂, Transvaal, Sabie, i. 1952 (*Innph*) (ZSBS, Munich); 2 ♂, Zululand, Eshowe, 23-30.iv.1926 (*R. E. Turner*) (BMNH); 1 ♂, 2 ♀, Zululand, Mtunzini, 15.ix. 1949 (*A. L. Capener*) (BMNH); 1 ♀, Zululand, Nqutu, 19.v.1955 (*A. H. Newton*) (BMNH); 1 ♂, Orange Free State, Harrismith, ii. 1927 (*R. E. Turner*) (BMNH); 1 ♀, Orange Free State, Witziesshoek, 6100 ft, 23.ii.1929 (*Hugh Scott*) (BMNH); 1 ♂, 2 ♀, Cape Province, Umtata, Transkei, 18.ii.-18.iii.1923 (*R. E. Turner*) (BMNH); 1 ♂, Cape Province, Grahamstown, i. 1954 (*F. Zumpff*) (ZSBS, Munich); 1 ♂, same data except date 6.ii.1952, 1 ♂, same data except date ix. 1954 (*E. McCallan*) (AMG, Grahams-town); 1 ♀, Cape Province, Katburg, 4000 ft, x. 1932 (*R. E. Turner*) (BMNH); 1 ♀, Cape Province, Pondoland, Port St. John, 10-31.vii.1923 (*R. E. Turner*) (BMNH); 1 ♀, Cape Province, Durban, 1902 (*F. Muir*) (BMNH); 3 ♂, Cape Province, Port Elizabeth, Lovemore Park, on *Salvia*, 9.viii.1956 (*J. S. Taylor*) (AMG, Grahamstown). LESOTHO: 1 ♀, Hensley's Dam, Leribe, 19.ii.1948 (*C. Jacot-Guillarmod*) (BMNH).

The holotype is in good condition.

Benson states 'the specimens in the B.M. collected by F. Muir and R. E. Turner and examined by Forsius (1931) were labelled and recorded by him as *Athalia incomta* Konow'.

Athalia nigromaculata subsp. *sikkimensis* Benson, 1932c : 530. Holotype ♀, SIKKIM: Lachen, 9000 ft, 26.iv.1924 (BMNH, No. 1.318).

The holotype has only two segments of the left antenna remaining and the left hind tarsus is missing.

Athalia picta Benson, 1962a : 364,366. Holotype ♀, CHINA: South Kansu, Lu-pa-sze, 11.vi.1930 (*Dr Hummel*) (NR, Stockholm).

Paratypes. 1 ♂, same data as the holotype, in copula with the holotype (NR, Stockholm); 3 ♀, same data as the holotype (NR, Stockholm); 2 ♀, same data as the holotype (BMNH).

Although Benson lists the above depositories in his paper the BMNH collection has 3 ♀ from the paratype series.

The holotype does not have a type number and is in good condition.

Athalia pluto Benson, 1961d : 16. Holotype ♀, KENYA: Nanyuki, v. 1948 (*Van Someren*) (BMNH, No. 1.780).

Paratypes. KENYA: 1 ♀, same data as the holotype (BMNH); 1 ♀, Teita Hills, viii. 1947 (*Van Someren*) (BMNH); 1 ♂, south-east slopes of Mount Kenya, 6000-7000 ft, 3-12.ii.1911 (*S. A. Neave*) ('*Athalia clavata* det. Forsius') (BMNH). UGANDA: 1 ♀, Bugishu, 14.i. 1930 (*H. Hargreaves*) (BMNH). ZAIRE: 2 ♂, Kivu, Mt Itombwe Mulunghe, 2250 m, iv. 1958 (*J. Pasteels*) (BMNH); 2 ♀, Parc National Albert, lac Gando, 2400 m, 6-8.iii.1935 (*Mission G. F. de Witte*) (MRAC, Tervuren). RWANDA: 3 ♀, Lac Karago, 21.iii.1936 (*L. Lippens*) (MRAC, Tervuren); 2 ♀, Kagogo, 1900 m, Terr. Ruhengeri, 21.i.1953 (*P. Basilewsky*) (MRAC, Tervuren); 5 ♀, gite de Nkuli, 17.iii.1936 (*L. Lippens*) (MRAC, Tervuren); 1 ♀, Beni a Lesse,

fin vii. 1911 (*Dr Martula*) (MRAC, Tervuren); 1 ♀, Terr. Rutshuru, viii. 1937 (*Mission Prophylactique*) (MRAC, Tervuren).

The holotype has the right tibia and tarsus of the fore leg missing.

Athalia pulla Benson, 1961d : 19. Holotype ♀, ZAIRE: Parc National Albert, Shamuheru volc. Nyamuragira) 1843 m, 14-26.vi.1935 (*Mission G. F. de Witte*) (MRAC, Tervuren).

Paratype. RWANDA: 1 ♀, Ruhengeri, riv. Penge, 1800-1825 m, 29.ix.1934 (*Mission G. F. de Witte*) (MRAC, Tervuren).

The holotype is in good condition.

Athalia schweinfurthi subsp. ***atripennis*** Benson, 1962a : 379, 380. Holotype ♀, KENYA: Mt Elgon, 10 500-13 000 ft, on flower heads of *Senecio elgonensis* Th. Fries, ii. 1935 (*F. W. Edwards*) (BMNH, No. 1.770).

Paratypes. KENYA: 1 ♀, Mt Elgon, 14 000 ft, ii. 1935 (*F. W. Edwards*) (BMNH); 1 ♂, Mt Elgon, 12 000 13 000 ft, ii. 1935 (*F. W. Edwards*) (BMNH); 1 ♀, Mt Elgon, 8800 ft, 6.v.1952 (*G. Arnold*) (BMNH); 1 ♀, Aberdare Range, Nyeri Track, 10 500-11 000 ft, 13.v.1934 (*F. W. Edwards*) (BMNH); 1 ♂, Elgon cratère, Maji Ya Moto, 3460 m, xii. 1953 (*N. Leleup*) (MRAC, Tervuren).

The holotype is in good condition.

Athalia umbrosa Benson, 1962a : 374, 376, 377. Holotype ♀: UGANDA: Ruwenzori Range, xii.1934-i.1935 (*F. W. Edwards*) (BMNH, No. 1.776).

Paratypes. UGANDA: 1 ♀, Mt Elgon, Butandiga, 7000 ft, 1935 (*J. Ford*) (BMNH). RWANDA: 1 ♀, Blumba, 2300 m, 6.xi.1953 (*P. Basilewsky*) (MRAC, Tervuren). ZAIRE: 1 ♀, Kivu, Buranga, 5.xii.1925 (*H. Schouteden*) (MRAC, Tervuren).

The holotype is in good condition.

Athalia xantha Benson, 1962a : 364, 365. Holotype ♀, SOUTH AFRICA: Natal, Weenan, ix.-x. 1925 (*H. P. Thomasset*) (BMNH, No. 1.777).

The holotype is in good condition.

Athetocephus maculatus Benson, 1935f : 549. Holotype ♂, MADAGASCAR: Region du Sud-est, Fort-Dauphin, 1901 (*Ch. Alluaud*) (MNHN, Paris).

The holotype is in good condition.

Athetocephus madecassus Benson, 1935f : 548. Holotype ♀, MADAGASCAR: Valies du Sombirano, vii. 1932 (*Mellis*) (BMNH, No. 1.15).

Paratypes. 3 ♂ (including allotype), same data as the holotype (MNHN, Paris); 3 ♂, same data as the holotype (MNHU, Berlin).

The holotype has only two segments of each antenna remaining. The genitalia of the holotype are mounted on a slide together with the mouthparts. A further slide has the right fore and hind wings of a ♂ paratype mounted on it.

Atholophorus puncticeps Benson, 1935c : 177, 178. Holotype ♀, JAVA: west, Tapos, Mount Gedeh, 800 m, 13-19.iii.1933 (*J. van der Vecht*) (RNH, Leiden).

Paratype. JAVA: ♂ (allotype), west, Tapos, Mount Gedeh, 800 m, vii. 1932 (*L. G. E. Kalshoven*) (BMNH).

The holotype is in good condition and the genitalia are mounted on a slide.

Blennocampa dyari Benson, 1930a : 107.

Replacement name for *Blennocampa spiraceae* Dyar, 1895, junior primary homonym of *Blennocampa spiraceae* Brischke, 1883.

Calameuta festiva Benson, 1954d : 270. Holotype ♀, CYPRUS: Yerasa, 1000 ft, 2.iv.1945 (*G. A. Mavromoustakis*) (BMNH, No. 1.653).

The holotype has the right antenna, fore tibiae and tarsi missing.

Camptoprium albilabris Benson & Conde, 1938f : 123, 130. Holotype ♂, BRAZIL: S. Paulo, Campos do Jordao (*Luederwaldt*) (cited as Museu Paulista).

The holotype has not been located but a slide preparation made from the holotype has been located in the DEI, Eberswalde. It has one penis valve at one end of the slide belonging to *Camptoprium albilabris* and at the other end of the slide is the penis valve of *Camptoprium atriceps* Konow. The label attached to the slide reads '*Camptoprium albilabris* Conde. Typus penis Campos de Gerdao, S. Paulo. Luederwaldt leg. 1906'.

- Camptoprium malaisei*** Benson & Conde 1938f : 123, 130. Holotype ♀, BRAZIL: Bahia (NR, Stockholm).
The holotype is in good condition and bears a label written by R. Malaise '*Camptoprium malaisei* Conde. Type'.
- Cephalocephus xanthus*** Benson, 1946c : 100. Holotype ♀, BURMA: north-east, Kambaiti, 7000 ft, 25.v.1934 (R. Malaise) (NR, Stockholm).
The holotype is in good condition.
- Characopygus decoratus*** Benson, 1968a : 119, 120. Holotype ♀, ISRAEL: near Jerusalem, Ejn, Karim, 20.iii.1959 [publ. as 10.iii.1959], (H. Bytinski-Salz) (BMNH, No. 1.807).
Paratype. ISRAEL: 1 ♂, Holou, 28.iii.1959 (H. Bytinski-Salz) (BMNH).
The holotype is in good condition.
- Cheilophleps xantha*** Benson, 1938f : 238, 239. Holotype ♂, AUSTRALIA: New South Wales, Bulga, 22.ix.1926 (W. W. Froggatt) (BMNH, No. 1.590).
Paratypes. AUSTRALIA: 1 ♂ same data as the holotype (BMNH); 2 ♂, same data as the holotype (W. F. Froggatt's Coll.); 5 ♂, same data as the holotype (ANIC, Canberra); 1 ♀ (allotype), East Dorrigo, 3.xii.1929 [publ. as 3.xiii.1924] (W. Heron) (AM, Sydney).
The holotype has only two segments remaining of the left antenna; the left front tarsus and the right front leg are missing.
Additional to the published information, in the BMNH collection are 1 ♂, 1 ♀, same data as the holotype and mounted on the same card. 1 ♂, same data as the holotype, is on a separate mount.
- Cladomacra nigriceps*** Benson, 1965c : 46. Holotype ♂, NEW GUINEA: Papua, Owen Stanley Range, Goilala Bome, 1950 m, 16-31.iii.1958 (W. W. Brandt) (BPBM, Honolulu, No. 9807).
Paratypes. NEW GUINEA: 2 ♂, same data as the holotype (BMNH); 1 ♂, N. E. Finisterre Range, Saidor, Matoko, 28.viii-5.ix.1958 (W. W. Brandt) (BPBM, Honolulu); 1 ♂, N.E., Mt Kaindi, 2400 m, in mercury vapour light trap, 27.i.1963 (J. Sedlacek) (BPBM, Honolulu); 1 ♂, Moife, 2100 m, 15 km N.W. of Okapa, 7-14.x.1959 (T. C. Maa) (BPBM, Honolulu); 1 ♂, N.E., Tomba, Slopes of Mt Hagen, 2500-2650 m, 24.v.1963 (J. Sedlacek) (BMNH); 1 ♂, S.E., Mt Giluwe, 2500-2750 m, 30.v.1963 (J. Sedlacek) (BPBM, Honolulu).
The holotype is in good condition.
- Clarissa antennata*** Benson, 1935e : 217. Holotype ♂, AUSTRALIA: Queensland, Tamborine Mountain (W. H. Davidson) (QM, Brisbane, No. T.5940).
The holotype is in good condition.
- Clarissa diana*** Benson, 1935e : 216. Holotype ♂, AUSTRALIA: Queensland, Nanango District, xi. 1927 (H. Hacker) (QM, Brisbane, No. T.5937).
The holotype has the head missing.
- Clarissa flammea*** Benson, 1935e : 214. Holotype ♀, AUSTRALIA: Queensland National Park, 25.x.1923 (H. Hacker) (QM, Brisbane, No. T.5935).
The holotype is in good condition; the genitalia are mounted on a slide.
- Clarissa flavicornis*** Benson, 1934i : 469. Holotype ♀, AUSTRALIA: Queensland, Eidsvold, x. 1929-iv. 1930 (T. L. Bancroft) (ANIC, Canberra).
The holotype is in good condition; no numbers have been attached.
- Clarissa lucida*** Benson, 1935e : 216. Holotype ♂, AUSTRALIA: New South Wales, Tooloom, i. 1926 (H. Hacker) (QM, Brisbane, No. T.5936).
Paratype. 1 ♂, same data as the holotype (BMNH).
The holotype has the abdomen missing.
- Clarissa hebe*** Benson, 1963a : 83. Holotype ♀, AUSTRALIA: Western Australia, Tambrey, 29.vii.1958 (A. Douglas) (WAM, Perth, WAM. No. 64-7).
Paratypes. 4 ♂, 8 ♀, same data as the holotype (WAM, Perth); 1 ♂, 2 ♀, same data as the holotype (BMNH).
The holotype is in good condition. It is listed on p. 40 of the Western Australian Museum's Annual Report for 1963-64.
- Clarissa obscura*** Benson, 1939e : 218. Holotype ♂, AUSTRALIA: Queensland, Tamborine Mountain (W. H. Davidson) (QM, Brisbane, No. T.5938).

Paratypes. AUSTRALIA: 1 ♂, same data as the holotype (BMNH); 1 ♂, same data as holotype (QM, Brisbane, No. T.5939); 1 ♂, Brisbane, 7.xii.1924 (*H. Hacker*) (BMNH).

The holotype is in good condition.

Clarissa ruficollis Benson, 1934i : 470. Holotype ♀, AUSTRALIA: Federal Capital Territory, Blundells, 26.ix.1930 (ANIC, Canberra).

Paratypes. 2 ♀, same data as the holotype except dates, 10.x.1930 and 21.i.1931 (*L. F. Graham*) (BMNH); 1 ♀, same data as holotype except date, 15.ii.1929 (*G. F. Hill*) (ANIC, Canberra).

The holotype is in fair to good condition.

Clarissa wilsoni Benson, 1938g : 360. Holotype ♀, AUSTRALIA: New South Wales, Mt Wilson, x. 1930 (*F. E. Wilson*) (NMV, Melbourne).

The holotype is in good condition. The F. E. Wilson collection was donated to the National Museum of Victoria after his death in 1960.

Corynis fulvicrus Benson, 1954d : 275, 276. Holotype ♀, ALGERIA: Hamman Ben Hadjar, 31.iii.1910 (*F. D. Morice*) (BMNH, No. 1675).

Paratype. ALGERIA: 1 ♀, Misserghim, 1929 (*Alluaud & Jeanell*) (MNHN, Paris).

The holotype has both antennae missing. Another ♀, from ALGERIA: Chellala, 1895 (*de Vauloger*) (MNHN, Paris), agrees with the type in colour and structure except that the whole punctuation is sparser.

Corynis haematica Benson, 1968a : 130, 132. Holotype ♂, ISRAEL: Wadi Ajram, 7.iv.1954 [publ. 7.v.1954] (*H. Bytinsky-Salz*) (BMNH, No. 1.809).

The holotype is in good condition.

Corynis reticulata Benson, 1954d : 273. Holotype ♂, ISRAEL: Shapat near Jerusalem, 27.iii.1918 (*E. E. Austin*) (BMNH, No. 1.676).

The holotype is in good condition. The data labels bear a number '1916 52' with a pin-hole interposed between the 6 and 5.

Diphamorphos pallicornis Benson, 1935e : 218. Holotype ♀, AUSTRALIA: New South Wales, Tooloom, i. 1926 (*H. Hacker*) (QM, Brisbane, No. T.5948).

Paratype. 1 ♀, same data as the holotype (BMNH).

The head of the holotype is missing.

Dolerus alpinus Benson, 1947a : 63. Holotype ♂, SWITZERLAND: Les Haudères, Alp du Zaté, 6-8000 ft, 10-20.vi.1935 (*J. E. & R. B. Benson*) (BMNH, No. 1.682).

Paratypes. SWITZERLAND: 8 ♀, same data as the holotype except height and date 4500 ft, 10-20.vi.1935 (BMNH); 1 ♀, Valais, Ferpècle, 6-7000 ft, 14.vi.1935 (*J. E. & R. B. Benson*) (BMNH); 4 ♀, same data except height and date 5-7000 ft, 21-27.vi.1935 (BMNH); 4 ♀, same data as the holotype except date 6-27.vi.1935 (BMNH); 1 ♀, Arolla, 6500 ft 12.vi.1935 (*J. E. & R. B. Benson*) (BMNH); 1 ♂, 1 ♀, same data except date 18.vi.1935 (BMNH); 2 ♀, same data except date 29.vi.1935 (BMNH).

The holotype is in good condition.

Dolerus anticus subsp. *seljuki* Benson, 1968a : 137. Holotype ♀, TURKEY: Gumsane, Bayburt, 1600 m, 26.v.1962 (*Guichard & Harvey*) (BMNH, No. 1.810).

Paratypes. TURKEY: 1 ♀, N.W., Edirne, 6.v.1960 (*Guichard & Harvey*) (BMNH); 1 ♀, Samsun, Lake Ladig, 800 m, 26.vii.1959 (*Guichard*) (BMNH); 1 ♂, N.E., Erzurum, Ovacik, 2000 m, 30.vi.1962 (*Guichard & Harvey*) (BMNH); 1 ♀, Gumsane, Bayburt, 1600 m, 26.v.1962 (*Guichard & Harvey*) (BMNH).

The holotype is in good condition.

Dolerus docilus Benson, 1956b : 60, 61. Holotype ♂, ITALY: Lombardia, Mercallo, 3.iv.1955 (BMNH, No. 1.681).

Paratypes. ITALY: 1 ♂, same date as the holotype (BMNH); 3 ♂, 5 ♀, Lago del Segrino, 15.iv.1955 (MCSNGD, Genoa); 6 ♂, 1 ♀, Lombardia, Lago di Pusiano, Erba, 25.iv.1955 (*L. Cerasa*) (BMNH); 4 ♂, Lombardia, 25.iv.1955 (*L. Cerasa*) [publ. as 8 ♂, 3 ♀, 15.iv.1955] (BMNH).

The holotype is in good condition; the genitalia are mounted separately and on a card attached to the same pin as the holotype.

Dolerus frigidus Benson, 1965a : 114. Holotype ♂, SWITZERLAND: Valais, Col de Bretolet s/Champéry (Val d'Illicz), 1923 m, 16-31.v.1964 (J. Aubert) (MZ, Lausanne).

Paratypes. SWITZERLAND: 5 ♂, same data as the holotype (BMNH) (MZ, Lausanne); 1 ♂, Bettmeralp, 1800-2100 m, 5-16.vi.1959 (J. E. & R. B. Benson) (BMNH).

The holotype is in good condition.

Dolerus harwoodi Benson, 1947a : 62. Holotype ♂, GREAT BRITAIN: Scotland, Aviemore 6.iv.1944 (P. Harwood) (BMNH, No. 1.680).

Paratypes. GREAT BRITAIN: 1 ♂, same data as the holotype except date 23.iii.1944 (BMNH); 11 ♂, 1 ♀, same data as the holotype except date 5.iv.1946 (BMNH). SWEDEN: 2 ♂, Skåne, Dalby, 6.v.1938 (D.M.S. & J.F. Perkins).

The holotype has the apical segment of the left antenna missing and four apical segments of the right antenna missing.

Dolerus humeralis Benson, 1967b : 171. Holotype ♀, AFGHANISTAN: Prov. Herat, Bala Murghab, 470 m, 23. iii [publ as 20. iii]-1.iv.1964 (O. Jakšes) (MM, Brno, No. 344).

The holotype is in good condition.

Dolerus hyrcanus Benson, 1968a : 140, 141. Holotype ♂, IRAN: Mazandaran, Chalus-Chahsavar coast, 23.iii.1966 (D. B. Baker) (BMNH, No. 1.812).

Paratypes. 19 ♂, 3 ♀, same data as the holotype except date 25.ii.-28.iii.1966 (BMNH).

The holotype is in good condition.

Dolerus montivagus Benson, 1968a : 138. Holotype ♀, TURKEY: Trabzon, Songali Gecidi, 2600 m, 26.v.1962 (Guichard & Harvey) (BMNH, No. 1.811).

Paratypes. TURKEY: 3 ♂, same data as the holotype (BMNH); 13 ♂, Trabzon, Zigana Gecidi, 1650 m, 22.v.1962 (Guichard & Harvey) (BMNH); 1 ♂, 1 ♀, Trabzon, Hamsikoy, 1245 m, 23-24.v.1962 (Guichard & Harvey) (BMNH); 1 ♂, 1 ♀, Rize, Sivrikaya, 1700 m, 3.vi.1962 (Guichard & Harvey) (BMNH).

The holotype is in good condition.

Dolerus nivalis Benson, 1963b : 270. Holotype ♀, SWITZERLAND: Valais, Saas-Fee, 7000-8000 ft, 25.vi.1962 (R. B. Benson) (BMNH, No. 1.792).

Paratypes. SWITZERLAND: 1 ♂, same data as the holotype except date 21.vi.1962 (BMNH); 1 ♀, Ferpècle, 1500-2000 m, 21-27.vi.1935 (R. B. Benson) (BMNH).

The holotype is in good condition.

Dolerus romanus Benson, 1954d : 276. Holotype ♂, ITALY: Ermikia, Rivola, Fuenza, 18.ii.1951 (P. Zangheri) (MCSN, Verona, but cited as in Zangheri Coll).

The holotype is in good condition; it was later presented to the Museo Civico di Storia Naturale, Verona, Italy. It is labelled with a red-edged circular label with the word 'Type' in Benson's handwriting, 'det. Benson 26.i.53 ♂' in Zangheri's handwriting, 'Romagna, Rivola, 18/ii/1951, coll. Zangheri.'

The holotype is in good condition.

Dolerus willoughbyi Benson, 1956b : 55. Holotype ♀, SWEDEN: Torne Lapmark, Abisko, 9-19.vii.1954 (J. E. & R. B. Benson) (BMNH, N.1.679).

Paratypes. SWEDEN: 1 ♀, same data as the holotype (BMNH); 4 ♂, 1 ♀, same data as the holotype except the date 11-16.vi.1954 (BMNH); 16 ♂, 3 ♀, same data as the holotype except the date 17-22.vi.1954 (BMNH); 2 ♂, 9 ♀, same data as the holotype except the date 25-30.vi.1954 (BMNH); 3 ♀, same data as the holotype except the date 1-5.vii.1954 (BMNH); 1 ♀, Abisko, Mt Nuoja, 2000-3000 ft, 8.vii.1954 (BMNH); 1 ♂, Bjorkkliden, 8-9.vii.1954 (BMNH); 3 ♀, Riksgränsen, 11-12.vii.1951 (BMNH). NORWAY: 1 ♀, Mainland, East of Tromsø Hill, 9.vi.1921 (C. S. Elton) (BMNH). FINLAND: 2 ♂, 2 ♀, Inl. Utsjoki, Outakosti, 24-25.vi.1925; 1 ♀, Enl. Kilpisjarvi, 7.vii.1950; 2 ♂, same data except the date 8-9.vii.1954 (E. Lindqvist); 1 ♀, Psl. Petsamo, Lullojoki (Plantanoff) (Lindqvist Coll.).

The holotype is in good condition.

Elinora dulcis Benson, 1968a : 181, 184. Holotype ♀, MOROCCO: Grand Atlas, Idni, 8.v.1941 (K. M. Guichard) (BMNH, No. 1.805).

The holotype has the antennae, right hind tarsi and left foreleg missing.

Elinora guichardi Benson, 1954*d*: 287. Holotype ♀, LIBYA: Tripolitania, 75 km south of Bou Ngem, 4.ii.1952 (*K. M. Guichard*) (BMNH, No. 1.720).

Paratypes. LIBYA: 1 ♀, same data as the holotype (BMNH); 1 ♂ (with simple mid tibial spurs), same data as the holotype (BMNH); 5 ♂, Tripolitania, Wadi Ghodaifa, 3.iii.1952 (*K. M. G.*); 1 ♂, Wadi Tonzist, 51 miles south of Bou Ngem, 8.iii.1952 (*K. M. Guichard* Coll.).

The holotype is in good condition.

Elinora saharensis Benson, 1954*d*: 286. Holotype ♀, ALGERIA: Sahara Desert, Ahaggar Mountains, Oued Tamanrusset, 10° E., 24° N., at about 1300 m, 5.iii.1928 (cited as in MNHN, Paris).

The holotype has not been located in the Muséum National d'Histoire Naturelle, Paris. No specimens of this species are in the BMNH collection.

Elinora stolidia Benson, 1968*a*: 181, 185. Holotype ♂ ISRAEL: Jerusalem, 15.iii.1923 (*P. A. Buxton*) (BMNH, No. 1.806).

The holotype has only two segments remaining of the right antenna. A further det. label is attached to the holotype 'Allantus sp. (cf. syriacus Andre.) N.B. black on costa and stigma.'

Emphytus basalis subsp. *caledonicus* Benson, 1945*g*: 103. Holotype ♂, GREAT BRITAIN: Scotland, Grantown [publ. as Inverness, Abernethy], 14.vii.1944 (*P. Harwood*) (BMNH, No. 1.763).

Paratypes. GREAT BRITAIN: 1 ♀, same data as the holotype except date 30.vi.1944 (*P. Harwood*) (BMNH); 1 ♀, Scotland, Nethy Bridge, 8.vii.1914 (*J. J. F. X. King*) (BMNH); 1 ♀, Scotland, Spey Side, 17.vii.1922 (*J. J. F. X. King*) (BMNH).

The holotype has only five segments remaining of the left hand antenna. The genitalia are mounted on a separate card attached to the pin.

Empria alector Benson, 1938*c*: 191. Holotype ♀, GREAT BRITAIN: Scotland, Moray, Grantown, 8.vi.1934 (*R. B. Benson*) (BMNH, No. 1.651).

Paratypes. GREAT BRITAIN: 3 ♀, same data as the holotype (BMNH); 2 ♀, Scotland, Inverness, Aviemore, 2-4.vi.1934 (*R. B. Benson*) (BMNH); 3 ♀, England, Hertfordshire, Gade Valley, 27.v.1933; 1 ♀, England, Boxmoor, 28.v.1933 (*R. B. Benson*); 1 ♀, England, Buckinghamshire, Halton, Dancers End, 29.v.1930 (*R. B. Benson*) (BMNH); 1 ♂, England, Devonshire, Newton Abbot, 1 ♀ 25.v.1931 (*R. C. L. Perkins*) (BMNH); 1 ♂, 1 ♀, England, Bovey Tracey, 1928 (*J. F. Perkins*) (BMNH); 1 ♀, England, Bovey Tracey, 17.v.1927 (*R. C. L. Perkins*) (BMNH); 1 ♀, England, Lancashire, Yealand Redmayne, 13.vi.1932 (*H. W. Miles*) (BMNH). IRELAND: 1 ♀, North Tipperary, Nenagh, 18.v.1927 (*A. R. A. Phillips*) (BMNH); 1 ♂, Kilkenny, 1.v.1906 (*A. W. Stelfox*) (BMNH); 1 ♀, Leix, Tankardstown, 31.v.1931 (*A. W. Stelfox*) (BMNH); 2 ♂, 1 ♀, Kildare, north of Sallins, 5.v.1935 (*A. W. Stelfox*) (BMNH); 3 ♂, 2 ♀, Westmeath, Newtownlow (*A. W. Stelfox*) (BMNH). SWITZERLAND: 1 ♂, Jurra (*E. Enslin*) (Perkins Coll.).

The holotype has eight segments of the left and two of the right antenna missing. The R. C. L. Perkins collection is now in the University Museum, Oxford.

Empria alpina Benson, 1938*c*: 190. Holotype ♀, GREAT BRITAIN: Scotland, Perthshire, Breadalbane Mountains, Crags above Lochan à Lairige on the catkins of *Salix reticulata* L., vi. 1932 (*R. B. Benson*) (BMNH No. 1.650).

Paratypes. GREAT BRITAIN: 1 ♂ (allotype), 1 ♀, same data as the holotype (BMNH). SWITZERLAND: 1 ♀, Valais, Arolla, 8-9000 ft, on catkins of *Salix retusa* L., and *herbacea* L., 1.vii.1935 (*R. B. Benson*) (BMNH); 1 ♂, Les Haudères, Alp du Zaté, 6-8000 ft, 10-12.vi.1935 (*R. B. Benson*) (BMNH).

The holotype is in good condition and the genitalia are mounted on a slide.

Empria persephone Benson, 1954*b*: 279. Holotype ♂, FRANCE: Var, Les Arcs [publ. Les Argos], 15.iv.1939 (*W. Fassnidge*) (BMNH, No. 1.711).

The holotype is in good condition and the genitalia are mounted on a slide, 28.iii.49, R.B.B.

Eopsis beaumonti Benson, 1959g : 122. Holotype ♀, SWITZERLAND: Vaud, Les Pléiades, c. 1200 m, 25.v.1955 (*J. de Beaumont*) (MZ, Lausanne).

Paratypes. 1 ♂, same data as the holotype except date 29.v.1958 (BMNH); 1 ♂, same data except date and collector, 3.vi.1959 (*R. B. Benson*) (BMNH).

The holotype is in good condition.

Eriocampa ovata subsp. ***nitens*** Benson, 1968a : 154. Holotype ♀, TURKEY: Rize, Cayeli, 15 m, 22.viii.1959 (*Guichard*) (BMNH, No. 1.814).

Paratypes. TURKEY: 1 ♀, same data as the holotype (BMNH); 1 ♀, Rize, 21.viii.1959 (BMNH); 1 ♀, Trabzen at sea level, 24.viii.1959 (*Guichard*) (BMNH).

The holotype is in good condition.

Eriotremex malayanus Benson, 1943c : 43.44. Holotype ♂, MALAYA: (*H. M. Pendlebury*) (BMNH, No. 1.40).

The holotype has the left antenna missing except for segments one and two. The holotype was described by Forsius (1934), unfortunately he omitted to add the generic name. The holotype described by Benson bears the following labels in Benson's hand writing '*Eriotremex malayanus* det. R. B. Benson, 1942, ♂.' A further label is attached in Forsius' handwriting '*Tremex malayana* n. sp. Holotypus R. Forsius det.'

Euryx aglaia Benson, 1963a : 82. Holotype ♀, AUSTRALIA: Western Australia, Yanchep, 5.ix.1962 (*A. Douglas*) (WAM, Perth, No. 64-6).

Paratypes. 2 ♀, same data as the holotype (WAM, Perth); 1 ♀, same data as the holotype (BMNH).

The holotype is in good condition; it is listed on p. 40 of the Western Australian Museum's Report for 1963-64.

Euryx calliphenges Benson, 1938g : 360. Holotype ♀, AUSTRALIA: Queensland, Stradbroke Island (*H. Hacker*) (QM, Brisbane, No. T.5951).

Paratypes. AUSTRALIA: 1 ♀, same data as the holotype (BMNH); 1 ♀, New South Wales, Pt Stephens, Nelson's Bay, 30.viii.1920 (BMNH); 2 ♀, same data except date 31.viii.1920 (AM, Sydney, No. K43273); 1 ♂, same data except date 29.viii.1920 (bearing a paratype label and an identification label by Benson with '*Allotype Euryx calliphenges* ♂ det. R. B. Benson 1938' (AM, Sydney, No. K43272).

Euryx chloe Benson, 1938g : 359. Holotype ♂, AUSTRALIA: Mt Kosciusko, 5000 ft, 10.xii.1931 (*L. F. Graham*) (ANIC, Canberra).

Paratype. 1 ♀, same data as the holotype (BMNH). This specimen is damaged.

The holotype is in good condition.

Euryx pulcher Benson, 1934i : 467. Holotype ♀, AUSTRALIA: New South Wales, near Mittagong, 12.viii.1930 (*L. F. Graham*) (ANIC, Canberra).

The holotype is in good condition.

Eutomostethus gagthinus subsp. ***meridionalis*** Benson, 1954d : 282. Holotype ♀, CYPRUS: Chiffliccondia, near Limassol, 20.iii.1946 (*G. A. Mavromoustakis*) (BMNH, No. 1.714).

Paratypes. 2 ♂, 2 ♀, same data as the holotype (BMNH); 3 ♂, 4 ♀, same data except date 13.iii.1946; 3 ♂, 5 ♀, same data except date 21.iii.1946; 2 ♂, same data except date 28.iii.1946; 2 ♀, same data except date 31.iii.1946 (BMNH).

The holotype is in good condition.

Fenella famosa Benson, 1950a : 55. Holotype ♀, SWITZERLAND: Valais, Les Haudères, 4000-5000 ft, 6-27.vi.1935 (*J. E. & R. Benson*) (BMNH, No. 1.707).

The holotype is in good condition.

Fenella granulata Benson, 1953e : 136, 138. Holotype ♀, ALGERIA: Phillippeville, 1903 (*A. Thery*) (cited as in the MNHN, Paris).

The holotype cannot be found in the Muséum National d'Histoire Naturelle, Paris. This species is not represented in the BMNH collection.

Gilpinia pindrowi Benson, 1961a : 309. Holotype ♀, PAKISTAN: Punjab, Muree, 33°54' N., 73°80' E., 3000-6000 ft, ex cocoon on *Abies pindrow*, 5.viii.58 (BMNH No. 1.786).

The holotype has the right antenna missing. The genitalia are mounted on a slide 26.xi.52/1.

Guiglia aureola Benson, 1955a : 21, 22. Holotype ♀, AUSTRALIA: New South Wales (ex T. Shiraki coll.) [cited as in the Taiwan Agric. Res. Inst.].

Paratypes. 1 ♂, 1 ♀, same data as the holotype (Taiwan Agric. Res. Inst.).

Benson gives the following synonymy '(=*serricata* (Mocsáry) Maa, 1950 nec Mocsáry, 1900)'. The type of *Guiglia serricata* Mocsáry, 1900, is housed in the TM, Budapest. No confirmation as to the whereabouts of Maa's specimens on which Benson based his description has been received.

Guiglia bombycinis Benson, 1938d : 13. Holotype ♀, AUSTRALIA: N. Queensland, Kuranda, 1000 ft, 4-29.vii.1913 (*R. E. Turner*) (BMNH, No. 1.3).

Paratypes. Publ. as 7 ♂, 8 ♀, same data as the holotype (BMNH); 1 ♂, same data as the holotype (NMV, Melbourne, No. T.4369); 1 ♀, same data as the holotype (QM, Brisbane, No. T.5930).

The holotype has the left fore leg missing.

Guiglia chiliensis Benson, 1955c : 112. Holotype ♀, CHILE: Canelo, Santiago, xii. 1952 (*T. Ramiriz*) (cited as in the Buenos Aires Mus.).

Paratype. 1 ♂, same data as the holotype (M. A. Fritz coll.).

I have been unable to locate the whereabouts of the holotype or the paratype.

Guiglia coracina Benson, 1955a : 21, 22. Holotype ♀, AUSTRALIA: North Queensland, Melanda, 5.xi.1950 (*W. L. Brown*) (cited as in the MCZ, Harvard).

Since publication Harvard University have transferred all Australian insect types to ANIC, Canberra. While in the Harvard University collection the holotype had the number 29403 attached to it.

Haplocephus aureus Benson, 1935f : 551. Holotype ♂, ALGERIA: South Oran, Ain Sefra, 18.v.1913 (*W. Rothschild & E. Hartert*) (BMNH, No. 1.16).

The holotype has both antennae missing; parts of the holotype are mounted on a slide.

Heliorussus scutator Benson, 1955a : 18. Holotype ♂, SIERRA LEONE: Movahba, 16.ii.1925 (*E. Hargreaves*) (BMNH, No. 1.659).

The holotype has both antennae and the right fore leg missing.

Heliorussus spinifer Benson, 1955a : 18. Holotype ♀, RHODESIA: Melsetter, 18.x.1950 (*Dr G. Arnold*) (NMR, Bulawayo).

The holotype is in good condition.

Hemidianeura flavicornis Benson, 1930a : 107.

Replacement name for *Hemidianeura apicalis* Enderlien, 1919, junior primary homonym of *Hemidianeura apicalis* Moscardi, 1909.

Heteroperreyia nigerrima Benson & Conde, 1938f : 123, 154. Holotype ♂, BRAZIL: Espirito Santo, St Theresa, 2.xii.1928 (*O. Conde*) (DEI, Eberswalde).

The holotype is in good condition.

Heteroperreyia pseudoleprieuri Benson & Conde, 1938f : 123, 154. Holotype ♀, BRAZIL: Espirito Santo bei Sta. Thereza, 18.xi.1928 (DEI, Eberswalde).

The holotype is in good condition.

Hoplocampa (Hoplocampa) ariae Benson, 1933c : 255. Holotype ♀, GREAT BRITAIN: England, Surrey, Box Hill, 24.v.1926 (*W. E. China*) (BMNH, No. 1.602).

Paratypes. GREAT BRITAIN: 1 ♂ (allotype), 4 ♀, England, Surrey, Guildford, 1.vi.1918 (*G. C. Champion*) (BMNH); 1 ♀, England, Surrey, North Downs near Aldbury, 2.vi.1921 (*F. D. Morice*) (UM, Oxford); 1 ♀, England, Oxford, Headington, Bayswater Mill, 29.v.1925, (*A. H. Hamm* Coll.); 1 ♂ (*Dr Capron*) (UM, Oxford).

The holotype is in good condition.

Hoplocampa prunicola Benson, 1968a : 201. Holotype ♀, TURKEY: Izmit, Karamursel, 23.iii.1961 on *Prunus* (*H. Birkadester*) (BMNH, No. 1.825).

The holotype is in good condition. The genitalia are mounted on a slide No. 26.vii.61/3.

Janus malaisei Benson, 1946c : 99. Holotype ♀, BURMA: north-east, Kambaiti, 7000 ft, 16.v.1934 (*R. Malaise*) (NR, Stockholm).

The holotype is in good condition.

Kaliofenusa ulmi subsp. *laevinota* Benson, 1968a : 150. Holotype ♀, TURKEY: Mugla, Ula (Mezarlik), 700 m, on *Ulmus*, 17.iv.1962 (*Guichard & Harvey*) (BMNH, No. 1.827).

Paratypes. TURKEY: 8 ♂, 1 ♀, same data as the holotype (BMNH); 1 ♀ Bursa, Bursa-Mundacanya Rd, 50 m, 28.iv.1962 (*Guichard & Harvey*) (BMNH); 1 ♀, Corum, Iskilip, 700 m, 9.v.1962 (*Guichard & Harvey*) (BMNH).

The holotype is in good condition.

Kokujewia palestina Benson, 1954d : 271. Holotype ♀, ISRAEL: Wadi Umbaghik, larva on ? *Rumex*, emerged iii. 1945 (*H. Bytinsky-Salz*) (BMNH, No. 1.672).

The holotype is in good condition.

Leptorussus africanus Benson, 1955d : 19. Holotype ♀, RHODESIA: Bulawayo, 29.iv.1927 (*R. H. R. Stevenson*) (NMR, Bulawayo),

The holotype is in good condition.

Lophyrotoma cibdeliformis Benson, 1958b : 15. Holotype ♀, NEW GUINEA: Wisselmeren, Paniai, 1750 m, ix.-xi. 1939 (*H. Boschma*) (RNH, Leiden).

Paratypes. 1 ♂, 1 ♀, same data as the holotype (RNH, Leiden); 2 ♀, same data as the holotype (BMNH).

The holotype is in good condition.

Macrophya aphrodite Benson, 1954d : 289. Holotype ♀, CYPRUS: Episcopi, 28.iv.1937 [publ. 14-30.v.1937] (*G. A. Mavromoustakis*) (BMNH, No. 1.749).

Paratypes. CYPRUS: 6 ♂, 8 ♀, same data as the holotype (BMNH); 1 ♂, Platus, 19.vi.1937 (*G. A. M. Coll.*); 1 ♀, Platus, 3800 ft, 10.viii.1937 (*G. A. M. Coll.*).

The holotype is in good condition.

Macrophya cyrus Benson, 1954d : 290. Holotype ♀, IRAN [cited S. W. Persia]: K. Sefid, (BMNH, No. 1.750).

Paratypes. IRAN: 10 ♂, 5 ♀, same data as the holotype (BMNH); 2 ♂, 2 ♀, Bazuft (Escalera coll.) (BMNH).

The holotype is in good condition.

Macrophya diaphenia Benson, 1968a : 191, 195. Holotype ♂, IRAN [cited S. W. Iran]: Kuh Sefid, nr Bazuft (Escalera coll.) (BMNH, No. 1.823).

Paratypes. IRAN: 3 ♂, 2 ♀, same data as the holotype (BMNH); 1 ♀, Elburz Mountains, Mt Demavend, 2180 m, vii. 1966 (*L. Higgins*) (BMNH).

The holotype is in good condition.

Macrophya hamata Benson, 1968a : 190, 194. Holotype ♂, TURKEY: Artvin, above Artvin, 1800 m, 6.vi.1962 (*K. M. Guichard & D. Harvey*) (BMNH, No. 1.822).

Paratypes. TURKEY: 1 ♂, same data as the holotype except height 900 m; 1 ♂, Trabzon, Hamsikoy, 1245 m, 22.v.1962 (*Guichard & Harvey*) (BMNH).

The holotype is in good condition.

Macrophya minerva Benson, 1968a : 196, 197. Holotype ♀, GREECE: Soufli, 5.v.1960 (*Guichard & Harvey*) (BMNH, No. 1.824).

The holotype is in good condition.

Macrophya oedipus Benson, 1968a : 190, 194. Holotype ♂, TURKEY: Amasya, 500 m, 31.v.1959 (*K. M. Guichard*) (BMNH, No. 1.821).

Paratypes. 5 ♂, 1 ♀, same data as the holotype except date, 22-24.v.1959; 2 ♂, 2 ♀, same data as the holotype except date, 29.v.1959; 4 ♂, same data as the holotype except date, 1-2.vi.1959; 1 ♀, same data as the holotype except date, 9.vi.1959; 6 ♂, 4 ♀, same data as the holotype except date 30.v.1959 (BMNH).

The holotype is in good condition.

Megadineura himalayana Benson, 1963f : 20. Holotype ♀, KASHMIR: 6000-7000 ft (*C. G. Nurse*) (BMNH, No. 1.790 [publ. No. 1.787]).

The holotype is in poor condition; the head, right fore leg and left fore tibia are missing.

Mesoneura lanigera Benson, 1954d : 292. Holotype ♀, CYPRUS: Pera Pedi, 2000 ft, 4.iv.1952 (*G. A. Mavromoustakis*) (BMNH, No. 1.684).

Paratypes. CYPRUS: 2 ♀, same data as the holotype (BMNH); 1 ♂, Potamitissa, 3000 ft, 25-26.iii.1944 (*G. A. M.*) (BMNH).

The holotype is in good condition.

Metapedius pyensoni Benson, 1940a : 465. Holotype ♀, BRAZIL: Pernambuco, 1937 (*Pyenson*) (BMNH, No. 1.639).

Paratypes. 5 ♀, same data as the holotype (BMNH).

The holotype has the right antenna, fore legs and left mid leg missing.

Mocsarya syriaca Benson, 1936a : 2. Holotype ♀, SYRIA: Akbès (*O. Abi*) (NM, Vienna).

The holotype has the right hind leg and anterior tarsi missing. The head and left fore wing are mounted on a card.

Monophadnus alpicola Benson, 1954d : 281. Holotype ♀, SWITZERLAND: Valais, Arolla, 7000 ft, 18.vi.1935 (*J. E. & R. B. Benson*) (BMNH, No. 1.713).

Paratypes. SWITZERLAND: 1 ♀, same data as the holotype (BMNH); 14 ♀, same data as the holotype except date, 29.vi.1935 (BMNH); 2 ♀, Les Haudères, 4-5000 ft, 6-27.vi.1935 (*J. E. & R. B. Benson*) (BMNH).

The holotype is in good condition.

Monophadnus furvus Benson, 1930a : 107.

Replacement name for *Monophadnus bipunctatus* MacGillivray, 1908, junior primary homonym of *Monophadnus bipunctatus* Klug, 1866.

Monophadnus vapularis Benson, 1930a : 107.

Replacement name for *Monophadnus planus* MacGillivray, 1921, junior secondary homonym of *Monophadnus planus* (Klug, 1818).

Neateuchopus tigris, Benson, 1935f : 550. Holotype ♀, U.S.S.R.: Astrachan, Kyn-Peski (Coll. Konow) (DEI, Eberswalde).

The holotype is in good condition.

Nematinus willighiae subsp. ***pilosus*** Benson, 1958d : 194. Holotype ♀, GREAT BRITAIN: Scotland, Aviemore, 1.vi.1944 (*P. Harwood*) (BMNH, No. 1.764).

Paratypes. GREAT BRITAIN: 1 ♀, Scotland, Aviemore, 11.vii.1903 (*J. J. F. X. King*) (BMNH); 1 ♀, Scotland, Bonar Bridge (*Cameron*) (BMNH); 1 ♂, Scotland, Aviemore, 29.vi.1944 (*P. Harwood*) (BMNH).

The holotype is in good condition. The paratypes listed above, although in the BMNH collection, were not referred to by Benson.

Nematus (Pontania) coriaceus Benson, 1953d : 150. Holotype ♀, GREAT BRITAIN: England, Bucks, Whaddon Chase, 22.vii.1944 (*R. B. Benson*) (BMNH, No. 1.689).

Paratypes. GREAT BRITAIN: 1 ♂, 1 ♀, Scotland, Moray, Grantown, 3.vi.1934 (*J. E. & R. B. Benson*) (BMNH); 3 ♂, Scotland, Perthshire, nr Killin, 14.vi.1933 (*R. B. Benson*) (BMNH); 1 ♀, Scotland, Rannoch, 5-10.vi.1931 (*R. B. Benson*) (BMNH). SWEDEN: 1 ♂, 7 ♀, Skåne, Höör district, 1-5.vi.1938 (*D. M. S. & J. F. Perkins*) (BMNH); 1 ♀, Elsov, 24.v.1938 (*D. M. S. & J. F. Perkins*) (BMNH); 1 ♀, Dagstorp, Sjö, 28.v.1938 (*D. M. S. & J. F. Perkins*) (BMNH); 1 ♀, same data except date 3.vii.1938 (BMNH).

The holotype is in good condition.

Nematus olfaciens Benson, 1953a : 61. Holotype ♀, GREAT BRITAIN: Scotland, Angus, Dundee, emerged vii-viii. 1952 from larvae on *Ribes nigrum* L. (*Ann Sanderson*) (BMNH, No. 1.696).

Paratypes. GREAT BRITAIN: 6 ♂, 15 ♀, same data as the holotype (BMNH); 3 ♂, 5 ♀, England, Gloucestershire, emerged vii. 1952 from larvae on *Ribes nigrum* L. (*R. C. Twyman*) (BMNH)

The holotype is in good condition.

Nematus (Pachynematus) omega Benson, 1955d : 103. Holotype ♂, SWITZERLAND: Valais, Ferpècle, 2100 m (*J. E. & R. B. Benson*) (BMNH, No. 1.701).

Paratype. 1 ♂, same data as the holotype (BMNH).

The holotype is in good condition and the genitalia are mounted on a slide No. 2.iv.1951-I.

Nematus polygoni Benson, 1961f : 228. Holotype ♀, GERMANY: Bavaria, Zweisel, reared from larvae feeding on *Polygonum bistorta* L., 22.vii.1956 (*R. Hinz*) (BMNH, No. 1.793).

Paratypes. 2 ♂, 1 ♀, same data as the holotype (BMNH).

The holotype has the right antenna missing.

Nematus proteus Benson, 1963*f*: 26, 27. Holotype ♀, BURMA: north-east, Kambaiti, 7000 ft, 18.iv.1934 (*R. Malaise*) (NR, Stockholm).

Paratypes. Published as 8 ♀, same data as the holotype except date 23.iii.-21.iv.1934; 1 ♂, same date as the holotype except date 17.v.1934, 1 ♂, 5 ♀, NR, Stockholm; 3 ♀, (BMNH). In the BMNH collection are 4 ♀, with the dates 27.iii.1934, 12.iv.1934, 5.iv.1934; in the Stockholm Museum are 6 paratypes (sexes not confirmed).

Nematus (Pontania) tuberculatus Benson, 1953*d*: 151. Holotype ♀, IRELAND: Co. Cavan, Lough Mentis, 18.v.1941 (*R. C. Faris*) (BMNH, No. 1.690).

Paratypes. IRELAND: 1 ♂, Farrinseer, 21.v.1941 (*R. C. Faris*) (BMNH). GREAT BRITAIN: 1 ♀, Scotland, Forres, Culbin Sands, 21.v.1952 (*R. B. Benson*) (BMNH).

The holotype is in good condition. In the BMNH collection is 1 ♀, labelled paratype, with the following data: Wales, Presteigne, 8-9.v.1953 (*R. B. Benson*). This specimen does not have a determination label.

Neoeurys aurora Benson, 1935*e*: 220. Holotype ♀, AUSTRALIA: Queensland, Stanthorpe, 12.viii.1925 (QM, Brisbane, No. T.5949).

Paratype. 1 ♀, same data as the holotype (BMNH).

The holotype is in good condition.

Neoeurys brevivalvis Benson, 1935*e*: 220. Holotype ♀, AUSTRALIA: Queensland, Sunnybank, Brisbane, 8.ix.1915 (*H. Hacker*) (QM, Brisbane, No. T.5950).

Paratype. 1 ♀, same data as the holotype (BMNH).

The holotype is in good condition.

Neoeurys erecta Benson, 1938*h*: 365. Holotype ♀, AUSTRALIA: Dagarra, from flowers of *Acacia* sp., 23.viii-5.ix.1935 (*R. E. Turner*) (BMNH, No. 1.478).

Paratypes. 3 ♀, same data as the holotype (BMNH); 4 ♂, same data as the holotype except date 18-22.viii.1935 (BMNH).

The holotype is in good condition.

Neoeurys evansi Benson, 1938*g*: 362. Holotype ♀, AUSTRALIA: Tasmania, National Park, 3500 ft, xii. 1936, beaten from *Nothofagus cunninghami* Hook (*J. W. Evans*) (BMNH, No. 1.479).

The holotype is in good condition; its genitalia are mounted on a slide.

Neoeurys fusca Benson, 1934*i*: 477. Holotype ♀, AUSTRALIA: New South Wales, Botany Bay (*H. Peterson*) (cited as USNM, Washington).

The holotype has not been located.

Neoeurys leptocoleum Benson, 1938*g*: 361. Holotype ♀, AUSTRALIA: Tasmania, Mount Wellington, 18.xi.1917 (*C. E. Cole*) (SAM, Adelaide).

Paratype. 1 ♀, same data as the holotype (BMNH).

The holotype is in good condition. No type number has been assigned to it.

Neoeurys nigra Benson, 1934*i*: 476. Holotype ♀, AUSTRALIA: New South Wales, Mount Kokiusko, Diggers Ct, 5000 ft, 10.xii.1931 (*L. F. Graham*) (ANIC, Canberra).

Paratypes. AUSTRALIA: 4 ♀, same data as the holotype (BMNH); 2 ♀, same data as the holotype (ANIC, Canberra); 1 ♀, Thredbor, 3000 ft, 15.xii.1931 (*L. F. Graham*) (ANIC, Canberra); 1 ♀, Federal Capital Territory, Blundells, 21.i.1931 (*L. F. Graham*) (ANIC, Canberra).

The holotype is in fair condition.

Neoeurys trochilus Benson, 1938*g*: 364. Holotype ♀, AUSTRALIA: Dongarra, 13-22 [publ. 18-22] viii. 1935 (*R. E. Turner*) (from flowers of *Acacia* sp.) (BMNH, No. 1.480).

Paratypes. 24 ♀, same data as the holotype (BMNH); other paratypes located as follows; 1 ♀, (QM, Brisbane, T.7123); 1 ♀, (AM, Sydney, K69322); 1 ♀, (NMV, Victoria, T.4387).

The holotype is in good condition.

Neoeurys turneri Benson, 1938*g*: 365. Holotype ♀, AUSTRALIA: Western Australia, Dongarra, from flowers of *Acacia* sp. 6-19.ix.1935 (*R. E. Turner*) (BMNH, No.1.481).

Paratypes. 5 ♂, 5 ♀, same data as the holotype except date 13-22.viii.1935; 2 ♂, same

data except date 23.viii.1935; 3 ♂, 5 ♀, same data except date 6-19.ix.1935. 2 ♀, same data except date 20-25.ix.1935. 19 paratypes are in the BMNH; 1 ♀ in AM, Sydney (K.69321); 1 ♀ in NMV, Victoria (T.4388); 1 ♀ in SAM, Adelaide; 1 ♀ in QM, Brisbane (T.7122).

The holotype is in good condition.

Neostomboceros rufa Benson, 1935c: 173. Holotype ♂, JAVA: west, Tapos, Mount Gedeh, 700 m, vii. 1933 (*J. Van der Vecht*) (RNH, Leiden).

Paratype. 1 ♂, same data as the holotype (BMNH).

The holotype is in good condition.

Neosyrista japonica Benson, 1935f: 552. Holotype ♀, JAPAN: Kofou, 1906 (*L. Drouart de Lezey*) (MNHN, Paris).

Paratype. ♀, same data as the holotype (BMNH).

The holotype is in good condition.

Neptionema helvetica Benson, 1960c: 174. Holotype ♀, SWITZERLAND: Valais, Aletschwald, 6000-7000 ft, 7-17.vi.1959 (*J. E. & R. B. Benson*) (BMNH, No. 1.768).

Paratypes. SWITZERLAND: 14 ♂, 6 ♀, same data as the holotype (BMNH); 1 ♂, Bettmeralp, 6000-7000 ft, 7-17.vi.1959 (*J. E. & R. B. Benson*) (BMNH); 2 ♂, 2 ♀, near Verbier, c. 7500 ft, 20-28.vi.1959 (*J. E. & R. B. Benson*) (BMNH); 2 ♂, 5 ♀, same data except height and date 8000-8500 ft, 27.vi.1959 (BMNH).

The holotype is in good condition.

Orussobaius mesembrinus Benson, 1938d: 9. Holotype ♀, AUSTRALIA: New South Wales, Bogan River, taken on a dead branch of *Acacia pendula* A. Cunn., x. 1932 (*J. Armstrong*) (NMV, Melbourne, T.1510).

Paratypes. AUSTRALIA: 1 ♂ (allotype), same data as the holotype (NMV, Melbourne, T.1511); 1 ♀, same data as the holotype (BMNH).

The holotype is in good condition. The above specimens were in the F. E. Wilson collection until his death in 1960 when they were donated to the National Museum of Victoria.

Orussobaius minutus Benson, 1938d: 10. Holotype ♀, AUSTRALIA: New South Wales, Bogan River (*J. Armstrong*) (NMV, Melbourne, T.1508).

Paratypes. 1 ♂, same data as the holotype (NMV, Melbourne, T.1509), 1 ♂ (allotype), same data as the holotype (BMNH).

The holotype is in good condition. The above specimens were in the F. E. Wilson collection until his death in 1960 when they were donated to the National Museum of Victoria.

Orussobaius wilsoni Benson, 1938d: 10. Holotype ♀, AUSTRALIA: Victoria, Ferntree Gully, 8.iii.1931 (*F. E. Wilson*) (NMV, Melbourne, No. T.1507).

The holotype is in good condition. The above specimen was in the F. E. Wilson collection until his death in 1960 when it was donated to the National Museum of Victoria.

Pachynematus calcicola Benson, 1948c: 63. Holotype ♂, GREAT BRITAIN: England, Yorks, Pen-y-ghent, top of Moughton, v. 1933 (*F. W. Edwards & W. H. T. Tams*) (BMNH, No. 1.698).

Paratypes. GREAT BRITAIN: 2 ♂, same data as the holotype except Moughton, Juniper Valley (BMNH); 1 ♂, England, Herts, Aldbury Owers, 21.iv.1946 (*R. B. Benson*) (BMNH); 1 ♂, England, Beds, Pegsdon Hills, Shillington 6.v.1936 (*V. H. Chambers*) (BMNH); 1 ♂, Valais, Arolla, 8000-8500 ft, 30.vi.1935 (*R. B. Benson*) (BMNH).

The holotype is in good condition.

Pachynematus chambersi Benson, 1948c: 63. Holotype ♂, GREAT BRITAIN: England, Beds, Ampthill, 17.v.1947 (*V. H. Chambers*) (BMNH, No. 1.699).

The holotype is in good condition.

Pachynematus lactepennis Benson, 1963e: 162. Holotype ♀, AUSTRIA: Semmeringebiet, Razalp, c. 6000 ft, on *Rumex* sp., 3.vi.1957 (*R. B. Benson*) (BMNH, No. 1.789).

Paratypes. SWITZERLAND: 60 ♂, 29 ♀, same data as the holotype (BMNH); 7 ♂, 6 ♀, Valais, Bettmeralp, 6000-7000 ft, 5-16.vi.1959 (*R. B. Benson*) (BMNH); 1 ♀, Valais, Aletschwald, 6000-7000 ft, 7-17.vi.1959 (*R. B. Benson*) (BMNH); 67 ♂, 45 ♀, Valais, Saas-Fee, 5500-6000 ft, 19-22.vi.1962 (*R. B. Benson*) (BMNH).

The holotype is in good condition.

Pachynematus styx Benson, 1958c : 301. Holotype ♀, GERMANY: South Lower Saxony, Sieber, Harz, c. 600 m, reared 1955 from larvae collected vii. 1954 on *Picea abies* (*Thalenhorst*) (BMNH) No. 1.791).

Paratypes. 3 ♂, same data as the holotype except date collected vii. 1951, reared 1952 (*W. Thalenhorst*) (BMNH).

The holotype has both antennae missing. The genitalia are mounted on a slide, 4.xi.55/2.

Pachynematus sulcatus Benson, 1948c : 63. Holotype ♂, GREAT BRITAIN: Scotland, Perthshire, Killin, 31.vi.1932 (*R. B. Benson*) (BMNH, No. 1.700).

The holotype is in good condition; its genitalia are mounted on a slide.

Pachynematus truncatus Benson, 1948c : 63. Holotype ♂, GREAT BRITAIN: England, Bucks, Slapton, 26.v.1943 (*R. B. Benson*) (BMNH, No. 1.702).

Paratypes. GREAT BRITAIN: 1 ♂, Scotland, Lanark, Possil Marsh (*P. Cameron*) (BMNH); 1 ♂, Scotland, Inverness, Aviemore, 1-5.vi.1934 (*R. B. Benson*) (BMNH); 1 ♂, same data except date 28.vii.1934 (BMNH); 1 ♂, Scotland, Loch Eilen, 9.vii.1934 (BMNH); 1 ♂, Scotland, Angus, Glen Clova, 1000 ft, 11-30.vi.1939 (BMNH); 1 ♂, same data as the holotype (BMNH); 1 ♂ (Stephens Coll.) (BMNH); 1 ♂, England, Surrey, Richmond Park, 22.v.1926 (BMNH); 1 ♂, same data except date 26.v.1926 (*J. Waterston*) (BMNH); 1 ♂, England, Middlesex, Uxbridge, 21.v.1926 (*J. Waterston*) (BMNH); 1 ♂, England, Herts, West Turville, 7.vii.1924 (*R. B. Benson*) (BMNH); 1 ♂, England, Boxmoor, 12.v.1934 (*R. B. Benson*) (BMNH); 2 ♂, England, Cambs, Wicken Fen, v. 1929 (*R. B. Benson*) (BMNH); 2 ♂, England, Lancs., Milton, 14.v.1924; 2 ♂, same data except date 18.v.1924 (*R. B. Benson*) (BMNH); 1 ♂, England, Manchester, Gorton, 7.ix.1946 (*H. Britten*) (BMNH); 1 ♂, Westmorland, Langdale, vi. 1929 (*K. G. Blair*) (BMNH); 1 ♂, England, Upper Teesdale, 1000-1200 ft, 13.v-7.vi.1939 (*R. B. Benson*) (BMNH). IRELAND: 1 ♂, Co. Wicklow, Athdown, 23.vi.1937 (*A. W. Stelfox*) (BMNH); 1 ♂, Cavan, Drumora, 28.iv.1940 (*R. C. Faris*) (BMNH). CZECHOSLOVAKIA: 1 ♂, Bohemia, Chodau, 5.vi.1877, and 1 ♂, 5.v.1914, R. von Stein Coll. (BMNH); 1 ♂, 'Gastein', 2.vii.1900 (*R. von Stein*) (BMNH).

The holotype is in good condition.

Pamphilius hortorum subsp. ***bicinctus*** Benson, 1945d : 104. Holotype ♀, GREAT BRITAIN: Scotland, Perthshire, Rannoch, 11-13.vi.1931 (*R. B. Benson*) (BMNH, No. 1.83).

Paratypes. GREAT BRITAIN: 1 ♀, same data as the holotype except date 15-21.vi.1932 (BMNH); 1 ♀, Scotland, Killin, 15-21.vi.1932 (*R. B. Benson*) (BMNH); 1 ♀, Scotland, Comrie, 25.vi.1900 (BMNH); 1 ♀, Scotland, Aberdeen, Braemar, vi. 1910 (*H. Donisthorpe*) (Morice Coll.) (not located); 1 ♀, Scotland, Inverness, Aviemore, 1.vii.1944 (*P. Harwood*) (BMNH).

The holotype is in good condition. Benson did not label the holotype or paratypes; this has now been done.

Pedicrista hyalina Benson, 1935a : 7, 8. Holotype ♀, RHODESIA: Doddieburn Ranch, Umzingwane R., 16.viii.1934 (*G. Arnold*) (BMNH, No. 1.1).

Paratypes. RHODESIA: 1 ♂ (allotype), same data as the holotype (BMNH). MALAWI: 1 ♀, Nyasaland, Mlanje, 4.v.13, 2-3000 ft (*S. A. Neave*) (BMNH).

The holotype has the mid and hind legs badly damaged. Both paratypes are also badly damaged.

Perga bradleyi Benson, 1939g : 338, 339. Holotype ♀, AUSTRALIA: New South Wales, Blue Mountains (*A. Musgrove*) labelled '*Perga dahlbomii* Westwood, ♀' id., by R. J. Tillyard (AM, Sydney, No. K40046).

The holotype is in good condition; it was mistakenly listed as being in the BMNH collection and given the No. 1.515.

Perga konowi Benson, 1939g : 336, 338. Holotype ♀, AUSTRALIA: New South Wales, Euston, 'Mallee scrub', bred from larvae on *Eucalyptus transcontinentalis* Maiden, in 1933 (BMNH, No. 1.514).

Paratypes. AUSTRALIA: 1 ♂ (allotype), same data as the holotype (BMNH); 2 ♀, same data as the holotype except collector (*W. W. Froggatt*) (AM, Sydney); 1 ♀, Western Australia,

Narrogin (WAM, Perth, 1934-1226); 1 ♀, Western Australia, Raeburn (WAM, Perth, 1922-680).

The holotype is in good condition.

Perga leaski Benson, 1959a : 288. Holotype ♀, AUSTRALIA: Victoria, Clunes, bred from larvae 20.ii.1958 (larva no. 500) (*M. F. Leask*) (BMNH, No. 1.798).

The holotype is in good condition.

Perga thomsoni Benson, 1935e : 226. Holotype ♀, AUSTRALIA: Toowoomba [publ. Tooloom], 12.ii.1922 (*H. Hacker*) (QM, Brisbane, No. T5942).

Benson states that the abdomen of the holotype is badly eaten by *Anthrenus* and that the saw is missing. This is confirmed by Dr E. C. Dahms (QM, Brisbane).

Pergagraptia condei Benson, 1939g : 341, 344. Holotype ♀, AUSTRALIA: South Australia, Adelaide, 'collected for me by a schoolboy' (*R. C. L. Perkins*) (BMNH, No. 1.523).

The holotype is in good condition.

Pergagraptia malaisei Benson, 1939g : 342, 346. Holotype ♀, AUSTRALIA: Victoria, Windsor, 21.xii.1909 (*G. F. Hill*) (NMV, Melbourne, No. T4376).

The holotype is in good condition.

Pergagraptia nigra Benson, 1939g : 342, 347. Holotype ♀, AUSTRALIA: New South Wales (*R. E. Turner*) labelled '*Perga bella nigra*, type Rohwer' MSS label (BMNH, No. 1.532).

The holotype is in good condition. The det. label reads '*Perga nigra* sp. n. det. R. B. Benson 1935.'

Pergagraptia rohweri Benson, 1939g : 343, 348. Holotype ♀, AUSTRALIA: South Adelaide (BMNH, No. 1.533).

Paratype. 1 ♀, same data as the holotype (NMV, Melbourne, No. T4373).

The holotype has both antennae and tarsal segments of the left hind leg missing.

Pergagraptia rossi Benson, 1939g : 343, 348. Holotype ♀, AUSTRALIA: Victoria, Windsor, xii. 1909 (*B. F. Hill*) (NMV, Melbourne, No. T.4375).

The holotype is in good condition.

Pergagraptia turneri Benson, 1939g : 341, 345. Holotype ♀, AUSTRALIA: Queensland, Mackay (*G. Turner*) (BMNH, No. 1.528).

Paratypes. 1 ♂ (allotype), Cairns (*R. E. Turner*); 1 ♀, Mackay, '163' '♀' 'Ridges Mackay' 'R. E. Turner Coll. 1917-136'; 1 ♀, 'Queensland, Mackay, R. E. Turner 1915-86', 'Mackay, 2.92', '*Perga polita* Leach'; 1 ♀, 'Mackay 11.92', '163', 'R. E. Turner Coll. 1917-136'. (Publ. as 1 ♀, ii. 1892, 2 ♀, xi. 1892 (*R. E. Turner*); 1 ♂ (allotype), Cairns (*R. E. Turner*) (BMNH).]

The holotype is in good condition. The right hind tibia and tarsus are mounted on a card separately from the specimen. Both fore legs are missing.

Pergagraptia hackeri Benson, 1939g : 342, 346. Holotype ♀, AUSTRALIA: Victoria, Melbourne (BMNH, No. 1.529).

Paratypes. AUSTRALIA: 1 ♀, ix. 1901 (*R. E. Turner*) (BMNH); 1 ♀, (BMNH); 1 ♂ (allotype), (BMNH); 1 ♂, 1 ♀, AUSTRALIA: near Melbourne; 1 ♀, Noble Park (*C. Oke*); 1 ♂, publ. as Nairnsdale, correctly labelled Bairnsdale, G. Easton, iii. 1925 (*Dr Sweet*); 1 ♀, without data (NMV, Melbourne, Nos. T4370, T.4371, T.4374).

The holotype has the left fore leg, right fore leg and hind claws missing.

Perreyiella pseudonigra Benson & Conde 1938f : 123, 132. Holotype ♂, PERU: Callanga, Cuzco Coll. Konow (DEI, Eberswalde).

The holotype has a red rectangular label with the word 'Typus' printed on it together with a determination label '*Perreyiella pseudonigra* O. Conde. det. 1936, Typus'. The holotype has the fore legs and three segments of the abdomen missing.

Phylacteophaga eucalypti subsp. ***occidens*** Benson, 1963a : 84. Holotype ♀, AUSTRALIA: Western Australia, Nollamara, emerged 20.ix.1962, ex mines in leaves of *Eucalyptus marginata* Sm. collected ix. 1962 (*A. M. Douglas*) (WAM, Perth, No. 64-8).

Paratypes. AUSTRALIA: 5 ♂, 8 ♀, same data as the holotype (2 ♂, 2 ♀, BMNH; remainder WAM, Perth); 6 ♀, Western Australia, Tuart Hills, em., 5-17.ix.1962 (WAM, Perth).

The holotype is in good condition. It has been listed on p. 40 of the Western Australian Museum's Annual Report for 1963-64.

Platypsectra nigripes Benson, 1938b : 620, 621. Holotype ♀, AUSTRALIA: Victoria, Studley Park (NMV, Melbourne, T.4384).

The holotype is in good condition; its genitalia are mounted on a slide. The slide dissection of the holotype was listed in the BMNH collection under the No. 1.799; this has been returned to the National Museum of Victoria.

Platypsectra ramosa Benson, 1938b : 622. Holotype ♀, AUSTRALIA: Victoria, Melbourne (*F. du Boulay*) (BMNH, No. 1.454).

Paratypes. AUSTRALIA: 1 ♀, Victoria, Melbourne, Sunshine, 22.iii.1919 (*C. E. Cole*) (BMNH); 1 ♀, Victoria, Melbourne, Windsor (*B. F. Hill*) (NMV, Melbourne, No. T.4385).

The holotype is in good condition.

Pleureoneura numidica Benson, 1940c : 39. Holotype ♀, ALGERIA: northern slope of Mt Babor (Kabylie Range), 1900 m, 16-20.vi.1939 (*P. de Peyerimhoff*) (MNHN, Paris).

Paratypes. 1 ♂ (allotype), 2 ♀, same data as the holotype (MNHN, Paris); 2 ♀, same data as the holotype (BMNH).

The holotype is in good condition.

Pontania algida Benson, 1941d : 134, 135. Holotype ♀, GREAT BRITAIN: Scotland, Perthshire, Breadalbane Mountains, near Killin, over 2000 ft, collected from *Salix herbacea* L., 7-14.vi.1932 (*R. B. Benson*) (BMNH, No. 1.693).

Paratypes. 3 ♀, same data as the holotype (BMNH).

The holotype is in poor condition; only two segments of the right antenna and four segments of the left antenna remain. The right fore and hind legs are missing.

Pontania aquilonis Benson, 1941d : 134. Holotype ♀, SWEDEN: Torne Träske (*Malaise*) (BMNH, No. 1.692).

The holotype has both antennae missing and the fore tarsi have been glued to the pin on which the specimen is mounted. Two determination labels are attached to the holotype: '*Pontania herbaceae* Cam. det. Malaise' and '*Pontania aquilonis* Benson. ♀. Holotype 1941.' Benson in error published *aquilonis* as nom. n. (= *herbaceae* (Cameron) sensu Malaise).

Pontania arbusculae Benson, 1941d : 133, 134. Holotype ♀, GREAT BRITAIN: Scotland, Perthshire, Craggs above Lochan à Lairige near Killin, c. 2000 ft, bred v. 1933, from galls collected from *Salix arbuscula* L. (*Floderus* det.), viii. 1932 (*G. Taylor*) (BMNH, No. 1.691).

Paratypes. 1 ♂ (allotype), same data as the holotype (BMNH); 1 ♂, 1 ♀, same data as the holotype (BMNH); 1 ♀, no data except collected from catkins of *Salix arbuscula* L., viii. 1932 (BMNH).

The holotype is in poor condition; the right antenna is missing and the right mid and both hind tarsi are missing.

Pontania arctophilae Benson, 1960a : 327, 373. Holotype ♀, CANADA: Manitoba, Churchill, 8.vii.1956, ovipositing on *Salix arctophila* Cockerell (*R. B. Benson*) (CNC, Ottawa, No. 7221).

Paratypes. 35 ♀, same data as the holotype except date, 25.vi-8.vii.1956 (BMNH); 1 ♀, same data (CNC, Ottawa).

The holotype is in good condition.

Pontania beckettiae Benson, 1960a : 378. Holotype ♀, CANADA: Manitoba, Churchill, ex galls on *Salix planifolia* Pursh, coll. ix. 1957 (*Eva Beckett*) (CNC, Ottawa, No. 7222).

Paratypes. 40 ♀, 13 ♂, same data as the holotype; 29 ♀ same data except ex galls on *S. discolor* Muhl; 1 ♀ same data except ex gall on *Salix glauca* L.; 25 ♀, 3 ♂, same data except ex galls on *Salix reticulata* (CNC, Ottawa) (BMNH); 11 ♀, 1 ♂, same data as holotype except 24.vi-4.vii.1956 (*R. B. Benson*) (BMNH).

The holotype is in good condition.

Pontania caranifrons Benson, 1940g : 210. Holotype ♀, GREAT BRITAIN: Scotland, Roxburghshire, Newcastleton collected from *Salix pentandra* L., on the bank of the River Liddel, 23.vi.1940 (*R. B. Benson*) (BMNH, No. 1.636).

The holotype is in good condition.

Pontania glabrifrons Benson, 1960a : 375, 376. Holotype ♀, SWEDEN: Torne Träsk district, reared from galls on *Salix lanata* L., gathered in ix. 1948 (*J. E. & R. B. Benson*) (BMNH, No. 1.788).

Paratypes. SWEDEN: 13 ♂, 6 ♀, same data as the holotype (BMNH and NR, Stockholm); 9 ♂, 41 ♀, Abisko, on *Salix lanata* 11-16.vi.1954 (*J. E. & R. B. Benson*) (BMNH); 3 ♂ 13 ♀, same data except date, 17-22.vi.1954 (BMNH), 1 ♂, 4 ♀, same data except date, 25-30.vi.1954 (BMNH); 6 ♀, Björkliden, 24.vi.1954 (*J. E. & R. B. Benson*) (BMNH); 1 ♂, 2 ♀, same data except date, 3.vii.1954 (BMNH); 1 ♀, same data except date, 8-9.vii.1954 (BMNH); 3 ♀, Riksgränzen, 2-12.vii.1954 (*J. E. & R. B. Benson*) 3 ♀, Tornham, 4.vii.1954 (*J. E. & R. B. Benson*) (BMNH); 1 ♀, Salkvaara, 1-11.vii.1955 (*J. P. S. Pringle*) (BMNH).

The left foreleg of the holotype is missing.

Pontania harrisoni Benson, 1940e : 91. Holotype ♀, GREAT BRITAIN, Scotland, Roxburghshire, Newcastleton, viii.1937 (*R. B. Benson*) (BMNH, No. 1.635).

Paratypes. GREAT BRITAIN: 11 ♂, 14 ♀, same data as the holotype (BMNH); 1 ♀, England, N. Yorkshire, Middleton-in-Teesdale, bred iv.v.1938 from galls on *Salix purpurea* L. and its hybrids collected in viii.1937 (*R. B. Benson*) (BMNH). CZECHOSLOVAKIA: Bohemia, 75 ♀, Chodau (R.v. Stein Coll.) (BMNH).

The holotype is in good condition.

Pontania myrtilifoliae Benson, 1960a : 372. Holotype ♀, CANADA: Manitoba, Churchill, 24-26.vi.1956, on *Salix myrtilifolia* Anderss. (*R. B. Benson*) (CNC, Ottawa, No. 7220).

Paratypes. 5 ♀, same data as the holotype; 2 ♀, same data except date 3-4.vii.1956 (1 ♀ CNC, Ottawa, remainder BMNH).

The holotype is in good condition.

Pontania retusae Benson, 1960c : 180. Holotype ♀, SWITZERLAND: Valais, Mt Rogneux, Lac Vaux near Verbier c. 9000 ft, at catkins of *Salix retusa* L., 27.vi.1959 (*J. E. & R. B. Benson*) (BMNH, No. 1.766).

Paratype. 1 ♀, same data as the holotype (BMNH).

The holotype is in good condition.

Pontania robbinsi Benson, 1935b : 26. LECTOTYPE ♀, by present designation, GREAT BRITAIN: England, Yorkshire, R. Tyne, Riding Mill, v.1932 (*J. Wilkinson*), ex galls on *Salix phyllicifolia andersoniana* Smith, em. v.-vi.1933 (BMNH, No. 1.831).

Paralectotypes. 2 ♂, 7 ♀, same data as the lectotype (BMNH).

The lectotype and paralectotypes all bear labels as indicated by Benson in his original description of the species. Benson did not select or label a holotype or paratypes. No Cameron type-material that can be associated with Benson's references in the original description has been found. Benson in error referred to *Pontania robbinsi* as nom. n.

The lectotype is in good condition.

Pontania triandrae Benson, 1941d : 131. Holotype ♀, GREAT BRITAIN: England, N. Somerset, Bristol, 1st brood 1937 (bred by *Dr Mary Carlton*) (BMNH, No. 1.695).

Paratypes. 94 ♀, same data as the holotype (BMNH).

The holotype has only two segments remaining of the right antenna.

Priophorus laevifrons Benson, 1936b : 205. Holotype ♀, GREAT BRITAIN: England, Hertfordshire, Gaddesden, 11.v.1926 (*R. B. Benson*) (BMNH, No. 1.603).

Paratypes. GREAT BRITAIN: 1 ♂ (allotype), England, Devonshire, Newton Abbot, 11.v.1925 (*R. C. L. Perkins*) (BMNH); 1 ♀, same data except date, bred from larva collected ix.1924, emerged 14.v.1925 (BMNH); 1 ♀, England, Suffolk, Framlingham, v-vii.1927 (*R. B. Benson*) (BMNH); 1 ♀, Cambridgeshire, Milton, 3.v.1924 (*R. B. Benson*) (BMNH); 1 ♂, 8.v.1921 (UM, Oxford).

The holotype has the right antenna missing.

Pristiphora asperlatus Benson, 1935b : 36. Holotype ♀, GREAT BRITAIN: Inverness-shire, Mount Braerich, 4000 ft, 25.vi.1934 (*J. E. & R. B. Benson*) (BMNH, No. 1.643).

Paratypes. GREAT BRITAIN: 5 ♂ (including allotype), 2 ♀, same data as the holotype (BMNH); 5 ♀, Scotland, Cairn Gorm, 4000 ft, 27.vi.1934 (*J. E. & R. B. Benson*) (BMNH); 3 ♀, same data except date, 29.vi.1934 (BMNH); 1 ♂, Scotland, Cairn Lochain, 3-4000 ft, 3.vii.1934 (*J. E. & R. B. Benson*) (BMNH); 3 ♂, 2 ♀, Scotland, Perthshire, Bein Chuallaich, 2-3000 ft, 12-13.vi.1931, (BMNH); 1 ♀, same data except date 17.vi.1931 (BMNH); 1 ♂, Scotland, Rannoch, 1-4.vi.1931 (BMNH); 9 ♂, 10 ♀, Scotland, Breadalbane Mountains,

above 2500 ft, 31.v-6.vi.1932 (BMNH); 4 ♀, same data except date 7-14.vi.1932 (BMNH); 1 ♂, Scotland, Killin, 31.v.-14.vi.1932 (BMNH); 1 ♀, Scotland, Beamore, above 2500 ft, 4.vi.1932 (BMNH); 2 ♂, 3 ♀, Scotland, Meall nà Samhne, above 2500 ft, 6.vi.1932 (BMNH). SWEDEN: 1 ♂, 4 ♀, North Lapland, Vassijaure; 1 ♀, Kalixfors; 2 ♂, 2 ♀, Torne Träske (*R. Malaise*) (BMNH). U.S.S.R.: 1 ♂, 1 ♀, East Siberia, Kamchatka Peninsula (BMNH).

The holotype is in good condition except for the right antenna, which has only six segments remaining.

Pristiphora chalybeata Benson, 1963*f*: 23, 25. Holotype ♀, BURMA: north-east, Kambaiti, 7000 ft, 23.iv.1934 (*R. Malaise*) (NR, Stockholm).

Paratype. 1 ♂, same data as the holotype except date 15.iv.1934 (BMNH).

The holotype has labels 'dissection on slide. Series 28.x.58/8' and 'R.M.prep.3881'. The head of the holotype is glued to the 'type' label on the pin.

Pristiphora fuscata Benson, 1943*i*: 181.

Replacement name for *Nematus fumipennis* Thomson, 1871, junior primary homonym of *Nematus fumipennis* Stephens, 1835.

Pristiphora glauca Benson, 1954*g*: 113. Holotype ♀, GREAT BRITAIN: England, Hereford, Mortimer Forest, 16.iv.1953, from 'blue green' larvae collected on *Larix decidua* Mill. and *Larix leptolepis* Sieb. & Zucc., v-viii.1952 (*R. C. Kirkland et al.*) (BMNH, No. 1.703).

Paratypes. GREAT BRITAIN: 28 ♂, 17 ♀, same data as the holotype except bred 25.iii-22.iv.1953 (BMNH); 1 ♀, England, Bucks, Denham, 17.v.1937 (*K. Clarke*) (BMNH). SWITZERLAND: 1 ♀, Valais, Les Haudères 4000-5000 ft, 6-27.vi.1935 (*J. E. & R. B. Benson*) (BMNH).

The holotype is in good condition.

Pristiphora rufocincta Benson, 1963*f*: 22. Holotype ♀, BURMA: north-east, Kambaiti, 7000 ft, 26.iii.1934 (*R. Malaise*) (NR, Stockholm).

The holotype is in good condition. It has labels 'Dissection on a slide, Series No. 28.x.58/3' and 'R.M. prep. 3882' attached to the pin.

Pteronidea fuscata Benson, 1933*d*: 258. Holotype ♀, IRELAND: Wicklow, Devil's Glen, larva x.1927, bred v.1928 (*A. W. Stelfox*) (BMNH, No. 1.632).

Paratypes. IRELAND: 3 ♀, same data as the holotype (BMNH); 1 ♂ (allotype), same data except date 4.v.1928 (BMNH); 4 ♂, 14 ♀, larvae bred v.1928, 3 ♂, 14.v.1928, 2 ♀, larvae vi.1928, bred vii.1928, 2 ♂, 2 ♀ (R. C. L. Perkins collection) (UM, Oxford); 2 ♂, 2 ♀, Wicklow, Powerscourt (R. C. L. Perkins collection) (UM, Oxford). The larvae in the field and on *Salix* were collected by *A. W. Stelfox*, *A. S. Linsey*, and *A. M. Gwynn*; they were sent to R. C. L. Perkins, who reared them. GREAT BRITAIN: 1 ♀, Scotland, Lanark, Cadder, 3 ♀ (P. Cameron collection) (BMNH).

The holotype has only six segments of the right antenna remaining, and the left hind tarsus is missing.

Pteronidea nubium Benson, 1935*b*: 30. Holotype ♀, GREAT BRITAIN: Scotland, Breadalbane Mountains, above 2000 ft, 7-14.vi.1932 (*R. B. Benson*) (BMNH, No. 1.637).

Paratypes. GREAT BRITAIN: 2 ♀, Scotland, Perthshire, Meall nà Samhne, above 2500 ft, 16.iv.1932 (*R. B. Benson*) (BMNH); 1 ♂ (allotype), Scotland, Inverness-shire, Mount Braerlach, 4000 ft (*R. B. Benson*) (BMNH); 1 ♀, same data except date 25.vi.1934 (BMNH).

The abdomen of the holotype is missing.

The paratypes cannot be located.

Pteronidea leionata Benson, 1933*d*: 259. Holotype ♀, GREAT BRITAIN: England, Devon, Great Haldons 18.iv.1926 (*R. C. L. Perkins*) (BMNH, No. 1.634).

Paratypes. 2 ♀, same data as the holotype (BMNH); 1 ♀, same data except bred from larva on *Betula*, 6.vii.1926 [publ. 6.vii.1924] (*R. C. L. Perkins*) (UM, Oxford).

The holotype is in good condition.

Pterygophorus facielonga Benson, 1938*b*: 616. Holotype ♀, AUSTRALIA: New South Wales, Woodford, 27.i.1913 (*G. A. Waterhouse*) (BMNH, No. 1.456).

Paratypes. AUSTRALIA: 1 ♀, New South Wales, Cumberland (*R. E. Turner*) (BMNH); 2 ♀, New South Wales, Sydney (*C. Gibbons*) (BMNH); 1 ♀, New South Wales, Sydney, Maronbra, 29.ix.1912, 'on flowers of Eucalyptus' (*A. Musgrave*) (BMNH); New South Wales,

Hunter River (*Macgillivray*) (BMNH); 1 ♂, Queensland, Narrabim (*A. Burns*) (BMNH); 1 ♀, Queensland; Burpengary (*T. Bancroft*) (BMNH); 1 ♀, Victoria, 29.xii.1917 (*B. F. Hill*) (BMNH); 1 ♀, no other data (BMNH); 1 ♂ (allotype), New South Wales, La Peroux, 12.x.1921 (NMV, Melbourne No. T.4379); 1 ♀, Victoria, Lilyvale (NMV, Melbourne No. T.4380); 1 ♀, Victoria, Windsor, 29.xii.1917 (*B. F. Hill*) (NMV, Melbourne No. T.4381). 1 ♀, without data (NMV, Melbourne No. T.4382).

Pteryperga galla Benson, 1938b : 623. Holotype ♀, AUSTRALIA: New South Wales, Tweed River, bred from cocoons (*W. W. F. & H. Brooks* [publ. *H. Brooke*]) (ANIC, Canberra).

Paratypes. AUSTRALIA: 1 ♀, same data as the holotype (BMNH); 2 ♀, same data as holotype (AM, Sydney, K48017). 1 ♀, same data (BMNH); 3 ♀, Dorrigo (*W. Heron*) (SAM, Adelaide).

The holotype is in good condition. It is labelled '*Platysectroides galla*, det. R. B. Benson 1936'. Benson had obviously changed his mind at a later date prior to publication but omitted to change the det. label on the holotype.

Rhipidoctenus cinderellae Benson, 1954i : 117, 118. Holotype ♂, MOROCCO: Oudjda (*Dr Sicart*) (cited as in ZM, Strasbourg).

The holotype has not been located.

Rhogogaster bactriana Benson, 1965e : 110, 111. Holotype ♂, AFGHANISTAN: east, Paghman Geb., 200 m, 14.vi.1953 (*J. Klapperich*) (TM, Budapest).

Paratype. ♀, same data as the holotype (BMNH).

The holotype is in good condition.

Rhogogaster chambersi (and nominate subspecies) Benson, 1947c : 97. Holotype ♀, GREAT BRITAIN: England, W. Sussex, Chichester, 1919 (*P. Harwood*) (BMNH, No. 1.723).

Paratypes of nominate subspecies. GREAT BRITAIN: 1 ♀, same data as the holotype (BMNH); 1 ♀, England, S. Devon, 4.vi.1929 (*R. C. L. Perkins*) (BMNH); 1 ♀, England, Nunton, nr Salisbury (*T. A. Marshall*); 2 ♀, England, Surrey, Boxhill, 6.vi.1926 (*P. Harwood*) (BMNH); 1 ♂, England, Surrey, E. Sheen, 18-25.v.1930 (*A. M. Low*) (BMNH); 1 ♀, England, Surrey, Chobham, 20.v.1897 (*F. D. Morice*) (UM, Oxford); 4 ♀, England, ?Shere (*Capron*, in *Morice* Collection) (UM, Oxford); 4 ♀, England, Surrey, Woking, 5.vi.1920 (*H. D.*) (UM, Oxford); 2 ♀ (G. C. Champion Coll.) (UM, Oxford); 1 ♀, England, Middlesex, vii. 1907 (*P. Harwood*) (BMNH); 1 ♀, England, Bucks, Farnham Common, 17.v.1934 (*J. F. Perkins*) (BMNH); 1 ♀, England, Cheshire, Halton, 28.v.1928 (*R. B. Benson*); 1 ♀, England, Essex, Colchester, 1909 (*P. Harwood*) (BMNH); 1 ♀, England, Bedfordshire, Clophill, 16.vii.1946 (*V. H. Chambers*) (BMNH); 3 ♂, 3 ♀, England, Cambridgeshire, Odell, White Lane, around *Rosa* 29.v.1937 (*V. H. Chambers*); 1 ♂, England, Bedfordshire, Whipsnade, Deadmansea Wood, on *Betula* 19.vi.1946 (*V. H. Chambers*); 3 ♀, Scotland, Dumfries, Thornhill (P. Cameron Coll.) (BMNH); Scotland, Stirling, Touch Hills (P. Cameron Collection); 1 ♀, Scotland, Inverness, Nethy Bridge, 7.vi.1934 (*J. E. & R. B. Benson*) (BMNH); 1 ♂, Scotland, Findhorn River, 5.vi.1934 (*W. H. T. Tams*) (BMNH); 1 ♀, Scotland, Sutherland, Bonar Bridge (P. Cameron Collection); 1 ♂, 5 ♀ (J. F. Stephens Coll.) (BMNH).

The holotype is in good condition.

Rhogogaster chambersi subsp. *genistae* Benson, 1947c : 98. Holotype ♀, CZECHOSLOVAKIA: Chodau 'bred from a batch of larvae feeding on *Genista germanica* L., *G. tinctoria* L. and *Cytisus nigricans* L., see Stein, 1929, p. 129'; (*R. von Stein*) (BMNH, No. 1.724).

Paratypes. CZECHOSLOVAKIA: 1 ♂, 3 ♀, same data as the holotype (BMNH); 1 ♀, Carlsbad, v-vi.1900 (C. G. Nurse Coll.) (BMNH). AUSTRIA: 1 ♀, Tyrol, Nanders, 13-18.vii.1938 (*J. V. Glynn, T. H. Rowsell & B. J. Clifton*) (BMNH). GERMANY: 2 ♂, 1 ♀, Buchecker Coll. (BMNH); 1 ♂, 1 ♀ (Ruthe Coll.) (BMNH). SWITZERLAND: 4 ♂, 7 ♀, Valais, Les Haudères, 4-5000 ft, 6-7.vi.1935 (*J. E. & R. B. Benson*) (BMNH); 1 ♂, Arolla, 6000 ft, 6.viii.1935 (*J. E. & R. B. Benson*) (BMNH). FRANCE: 1 ♀, Pyrenees, Ariège, Ax-les-Thermes, vii. 1912 (*C. Ferrière*) (BMNH); 1 ♂, Haute-Loire, Monistrol, v.1903 (*F. D. Morice*) (UM, Oxford); 2 ♂, Aude, Narbonne, iv. 1903 (*F. D. M.*) (UM, Oxford); 1 ♀, Var, Les Arcs, 28.iv.1939 (*W. Fassnidge*) (BMNH).

The holotype has the right antenna missing.

Rhogogaster naias Benson, 1965e : 110, 112. Holotype ♂, TURKEY: Pr. Gumusane near Maden, 1800 m, by sweeping *Salix* by swift flowing stream in gorge, 29.v.1962 (*K. M. Guichard & D. Harvey*) (BMNH, No. 1.802).

Paratypes. 10 ♂, 12 ♀, same data as the holotype (BMNH).

The holotype is in good condition.

Rhysacephala wilsoni Benson, 1954h : 159. Holotype ♀, AUSTRALIA: Victoria, Ringwood, 19.xi.1939 (*F. E. Wilson*) (NMV, Melbourne, T.1506).

The holotype is in good condition.

The F. E. Wilson collection was donated after his death in 1960 to the National Museum of Victoria.

Selandria serva subsp. **fuscitarsis** Benson, 1954d : 276. Holotype ♂, GREECE: Corfu, 8.iv.1912 (*F. D. Morice*) (BMNH, No. 1.678).

Paratypes. ITALY: 2 ♂, 1 ♀, Romagne, 1945 (*P. Zangheri*) (BMNH); 1 ♂, 1 ♀, same data (*Zangheri* Coll., not confirmed); 1 ♀, Bologna, Gaibola, 24.iv.1950 (*G. Grandi*) (BMNH); 1 ♀, same data except date 30.iv.1951 (*G. Grandi*) (*G. Grandi* Coll. not confirmed).

The holotype is in good condition. The Grandi Collection has not been located.

Seljukia tenebrosa Benson, 1966e : 76. Holotype ♀, TURKEY: Mersin, Gosne, 600 m, 4.vi.1960 (*K. M. Guichard & D. Harvey*) (BMNH, No. 1.826).

Paratypes. 11 ♂, 5 ♀, same data as the holotype except date 3-5.vi.1960 (BMNH).

The holotype is in good condition.

Sciapteryx byzantina Benson, 1968a : 187, 188. Holotype ♀, TURKEY: Istanbul, Belgrat Orman, at sea level, 25.iii.1962 (*Guichard & Harvey*) (BMNH).

Paratypes. TURKEY: 15 ♂, 1 ♀, same data as the holotype (BMNH); 1 ♀, Rize, at sea level, 22.iv.1959 (*Guichard & Harvey*) (BMNH).

The holotype is in good condition.

Sciapteryx cleopatra Benson, 1954d : 284. Holotype ♀, ISRAEL: Jerusalem, 1929 (*S. Tahudhi*) '*Sciapteryx costalis* F., ♂ det. R. Forsius' (BMNH, No. 1.719).

Paratype. EGYPT: 1 ♀, Alexandria, 1902 (*J. de Joannis*) (MNHN, Paris).

The holotype is in good condition.

Sciapteryx costalis subsp. **corcyrensis** Benson, 1954d : 283. Holotype ♀, GREECE: Corfu (*S. S. Saunders* Coll.) (BMNH, No. 1.718).

The holotype has the right antenna missing, the left antenna is broken and mounted separately. The holotype has an additional label 'Corfu. 743.'

Scolioneura hyrcana Benson, 1968a : 149, 150. Holotype ♂, IRAN: Mazandaran, Shalus-Shahsavar coast, 18.iv.1966 (*D. Baker*) (BMNH No. 1.813).

The holotype has the left antenna missing.

Sirex cyaneus subsp. **melanopoda** Benson, 1965b : 141. Holotype ♀, KASHMIR: ex logs of *Abies pindrow* Spach., vi. 1963 (BMNH, No. 1.804).

Paratypes. KASHMIR: 1 ♂, 1 ♀, same data as the holotype (CIBC, India). INDIA: 1 ♂, 1 ♀, Punjab, Koti-Kula, ex logs of *Abies pindrow*, vi. 1963 (CIBC, India not confirmed).

The holotype has the right fore tibia and tarsus missing.

Stromboceros subtilis Benson, 1935c : 175. Holotype ♂, JAVA: west, Tjibodas, Mount Gedeh, 1400-1700 m, 28.vi.1932 (*H. R. A. Muller*) (RNH, Leiden).

The holotype is in good condition and the genitalia are mounted separately on a slide.

Strongylogaster lineata subsp. **cyprina** Benson, 1954d : 276. Holotype ♀, CYPRUS: near Platania Forest Station, 3500-4000 ft, 7.v.1945 (*G. Mavromoustakis*) (BMNH, No. 1.677).

Paratypes. CYPRUS: 1 ♀, same data as the holotype (BMNH); 1 ♀, Mt Troodos, 5500-6000 ft, 28.vi.1937 (*G. A. M.*) (BMNH).

The holotype is in good condition.

Styracotechys dicelysma Benson, 1935e : 225. Holotype ♀, AUSTRALIA: New South Wales, Tooloom, 1926 (*H. Hacker*) (QM, Brisbane, T.5952).

The holotype is in good condition and the genitalia are mounted on a slide.

Tenthredella viridans Benson, 1930a : 107.

Replacement name for *Tenthredella enslini* Forsius, 1918, junior primary homonym of *Tenthredella enslini* Schirmer, 1913.

Tenthredo acerrima Benson, 1952b : 128. Holotype ♀, GREAT BRITAIN: England, Herts, Tring, 25.vii.1940 (*R. B. Benson*) (BMNH, No. 1.737).

Paratypes. 4 ♂, 70 ♀, from GREAT BRITAIN, Cornwall to Caithness, to Outer Hebrides, and IRELAND to Aran Islands, vi-ix. (BMNH). 2 ♂, 70 ♀, from FRANCE, GERMANY, SWITZERLAND, AUSTRIA and YUGOSLAVIA (*Benson, loc. cit.*).

The holotype has the fore tarsi and right mid tibia and tarsus missing.

Tenthredo afra Benson, 1930a : 107.

Replacement name for *Tenthredo diversipes* Pic, 1925, junior primary homonym of *Tenthredo diversipes* Schrank, 1782.

Tenthredo beaumonti Benson, 1950a : 53. Holotype ♀, SWITZERLAND: Valais, B. St. Pierre, fin ix.1916 (Coll. Cenitti) (MZ, Lausanne).

Paratypes. SWITZERLAND: 1 ♀, Geuroz, i.viii.1940 (*J. de Beaumont*) (BMNH); 1 ♂ (Coll. E. Favre); 3 ♀, Neuchâtel, Corcelles, Environs de Neuchâtel, 24.viii.1912 (Coll. B. Jacob) (BMNH) (MZ, Lausanne); 1 ♀, without precise data, '4918' det. 'Allantus sulphuripes' (MN, Lausanne).

The holotype is in good condition.

Tenthredo celtica Benson, 1953f : 275. Holotype ♀, GREAT BRITAIN: England, Hertfordshire, Tring, 6.vi.1953 (*R. B. Benson*) (BMNH, No. 1.735).

Paratypes. GREAT BRITAIN: 6 ♀, 8 ♂, same data as the holotype (BMNH); 50 ♀, 37 ♂, England, Somerset, Hants, Sussex, Surrey, Kent, Berks, Herts, Beds, Northants, and Lancs.; Wales, Monmouth; Scotland, Dumfries. IRELAND: 3 ♂, 11 ♀, Counties Cavan, Meath, Dublin, Kildare and Wicklow, v-vi. belonging to Messrs R. C. Faris and A. W. Stelfox. SPAIN: 1 ♀, Barcelona, Vilatorra, Bofill (Dusmet Coll.) (IEE, Madrid). ITALY: 1 ♂, 3 ♀, Bologna, Gaibola, iv-vi, 1948-50 and 3 ♀, Ronzano, iv-v. 1942-48 (*R. Grandi*) (IE, Bologna).

The holotype is in good condition.

Tenthredo chlorosoma Benson, 1943h : 139, 143. Holotype ♂, CZECHOSLOVAKIA: Bohemia, Chodau, bred from larvae on *Salix alba* L., *S. purpurea* L. and *Alnus glutinosa* L., bred from larva described by Stein (1880) (*R. von Stein*) (BMNH, No. 1.721).

Paratypes. GREAT BRITAIN: 9 ♂, 14 ♀, same data as the holotype (BMNH); 5 ♂, 4 ♀, England (Stephens Coll.) (BMNH); 1 ♀, England, Middlesex, Uxbridge (*J. Waterston*) (BMNH); 1 ♀, England, Bucks, Denham, 19.vi.1926 (*J. Waterston*) (BMNH); 1 ♀, England, Berks, Windsor Forest, vii.1930 (*H. St. J. K. Donisthorpe*) (BMNH); 1 ♀, England, Aylesbury, 1.vi.1942 (*R. B. Benson*) (BMNH); 4 ♂, 10 ♀, England, Linslade, Slapton, 28.v.1943 (*R. B. Benson*) (BMNH); 1 ♀, England, Herts, Bricket Wood, 21.v.1943, 1 ♀, same data except date 28.v.1943 (BMNH); 1 ♂, England, Cambs, Wicken Fen, 27.vii.1924 and 1 ♀, same data except date 3.viii.1924 (*R. B. Benson*) (BMNH); 1 ♂, England, Devon, Newton Abbot, 16.vi.1929 (*R. C. L. Perkins*) (BMNH); 1 ♂, England, Yorks, Keighley (*J. Wood*); 1 ♀, Wales (*J. Foxcroft*); 1 ♂, Scotland, Dumfries, Greta, 26.viii.1930, 2 ♀, same data except dates 29.vi.1931 and 2.viii.1929 (*J. Murray*) (BMNH); 1 ♂, Scotland, Perthshire, Killin, 26-30.vi.1932, 2 ♀, same data except date 31.v-14.vi.1932 (*R. B. Benson*) (BMNH). FRANCE: 1 ♀, Puy de Dôme, Le Mont Dore, 24.vi-6.viii.1934 (*M. E. Mosely*) (BMNH); 2 ♀, Haute-Garonne, Muret, 19-25.vi.1933, 1 ♀, St Béat, 14.vii-18.viii.1933 (*M. E. Mosely*) (BMNH); 6 ♀, Corrèze, Bort-les-Oruges, 15-23.vi.1934 (*M. E. Mosely*) (BMNH). SWEDEN: 1 ♂, Skåne, Höör district, 16.vi.1938 (*D. M. S. & J. F. Perkins*) (BMNH); 1 ♀, Ring sjö, 24.vi.1938 (*D. M. S. & J. F. Perkins*) (BMNH). POLAND: 2 ♀, Pomorze, Sepolno, 29.vi.1926 (*G. Heinrich*) (BMNH). U.S.S.R.: 1 ♀, Siberia, 'Salair' (*Dr Finch*) (BMNH).

The holotype has only five segments of the left antenna and only two segments of the right antenna remaining.

Tenthredo dryas Benson, 1943h : 139, 142. Holotype ♂, GREAT BRITAIN: England, Herts, Bricket Wood, 30.v.1940 (*R. B. Benson*) (BMNH, No. 1.722).

Paratypes. GREAT BRITAIN: 1 ♂, 1 ♀ (allotype), same data as the holotype (BMNH); 2 ♂, 2 ♀, same data as the holotype except date, 21.v.1943; 8 ♂, 9 ♀, same data except date

28.v.1943 (*R. B. Benson*) (BMNH); 1 ♀, England, Middlesex, Ruislip, viii.1939 (*R. B. Benson*) (BMNH); 1 ♂, Stephens Coll. (BMNH). NORWAY: 1 ♀, vi–viii.1938 (*J. L. Chaworth-Musters*) (BMNH). FINLAND: 1 ♂, Kuusamo Village, 22.vi.1935 (*G. J. Kerrich*) (BMNH). CZECHOSLOVAKIA: 1 ♀, Bohemia (*Prof. Kheil*) (BMNH); 2 ♀, Bohemia, Chodau (*R. von Stein*) (BMNH).

The holotype is in good condition.

Tenthredo ebba Benson, 1941c : 86.

Replacement name for *Tenthredo simulans* Cameron, 1877, junior primary homonym of *Tenthredo simulans* Klug, 1818. [Benson in error cited Cameron, 1887.]

Tenthredo euphorbiae Benson, 1968a : 177. Holotype ♀, TURKEY: Trabzon, Songonali Gecidi, 2600 m, on flowers of *Euphorbia* 27.v.1962 (*Guichard & Harvey*) (BMNH, No. 1.819).

Paratypes. 6 ♂, 47 ♀, same data as holotype (BMNH).

The holotype is in good condition.

Tenthredo hyrcana Benson, 1968a : 171, 172. Holotype ♀, U.S.S.R.: Transcaucasia, Armenia, Delizhan, 1000–2200 m, 16.vi.1934 (*A. N. Zhelochovtsev*) (BMNH, No. 1.818).

Paratypes. TURKEY: 1 ♂, same data as the holotype (BMNH); 1 ♀, Ankara, Idris Dagi, 1300 m, 30.vi.1962 (*Guichard & Harvey*) (BMNH); 12 ♂, Amasya, 500 m, 22–23.v.1959 (*Guichard*) (BMNH); 1 ♂, same data except height 460 m (BMNH); 2 ♂, 1 ♀, same data except date 2–6.vi.1959 (BMNH); 1 ♂, Erzurum, Ispir, 20 km on Ikisdere rd, 700 m, 2.vi.1962 (*Guichard & Harvey*) (BMNH).

The holotype is in good condition.

Tenthredo lovetti Benson, 1930a : 107.

Replacement name for *Tenthredo rustica* MacGillivray, 1923, junior primary homonym of *Tenthredo rustica* Linnaeus, 1758.

Tenthredo maculata subsp. *diana* Benson, 1968a : 174. Holotype ♀, ITALY: Emilia Mt, Breta, 1.v.1912 (*A. Fiori*) (cited as MCSNGD, Genoa).

Paratypes. ITALY: 1 ♀, Emilia, La Lama, 10.vi.1962 (*A. Servadei*) (IEA, Padua); 1 ♀, Marches, Catria, v.1933 (*Alzona*) (BMNH).

Although the holotype is published as being housed in the MCSNGD, Genoa, it cannot be traced in their collection.

Tenthredo mioceras Benson, 1943h : 138, 140. Holotype ♀, GREAT BRITAIN: Scotland, Angus, Glen Cova 1000 ft, 11–30.vi.1939 (*R. B. Benson*) (BMNH, No. 1.751).

Paratypes. GREAT BRITAIN: 2 ♀, same data as the holotype (BMNH); 1 ♀, same data as the holotype except height 2000–3000 ft, (BMNH); 1 ♀, Scotland, Perthshire, Rannoch, 15–16.vi.1931 (*R. B. Benson*) (BMNH); 1 ♀, Scotland, Aberdeen, Ballater, 10.vii.1915 (*J. J. F. X. King*) (UM, Glasgow); 1 ♂ (allotype), Scotland, Inverness, Nethy Bridge, 10.vii.1911 (UM, Glasgow). IRELAND: 1 ♂, Cavan, Cornafean, Sloans Fort, 9.vi.1934 (*R. C. Farris* Coll.); 2 ♀, same data except date 12.vii.1941 (BMNH). CZECHOSLOVAKIA: 15 ♂, 41 ♀, Bohemia, Chodau (*R. von Stein*) (BMNH). POLAND: 1 ♂, 2 ♀, Tatra Mountains, 3000 ft (*Zakopane, D. Aubertin & E. Trewavas*) (BMNH). AUSTRIA: 1 ♀, Tyrol, Mittelberg, 20.vi.1930 (*O. W. Richards*) (BMNH). FRANCE: 7 ♀, Puy-de-Dôme, Le Mont Doré, 24.vi.–6.viii.1934 (*M. E. Mosely*) (BMNH); 1 ♀, Hospice de France, 11.vii.1933; 1 ♀, Luchon, 25.vii.1933 (*M. E. Mosely*) (BMNH); 1 ♀, Hautes-Alpes, Ailefroide, 19.vii.1931 (*O. W. Richards*) (BMNH).

The holotype is in good condition. A determination label by Benson was not attached to the holotype; I have attached one.

Tenthredo pallidula Benson, 1930a : 107.

Replacement name for *Tenthredo albiventris* Mocsáry, 1880, junior primary homonym of *Tenthredo albiventris* Klug, 1814.

Tenthredo titania Benson, 1959f : 98, 101. Holotype ♀, U.S.S.R.: Transcaucasia, Georgia, Akhaltsikh, 1885 (ZSBS, Munich).

Paratypes. U.S.S.R.: 1 ♀, same data as the holotype (BMNH); 1 ♀, Transcaucasia, Borsham, Svanetia inf., 17.vii.1911 (*A. Schelkovnikov*) (ZSBS, Munich).

The holotype is in good condition.

Tenthredo umbrica Benson, 1959f : 98, 100. Holotype ♀, ITALY: Umbria, Pian Perduto, Mount Sibillini, vii.1954 (VM, Verona).

Paratypes. ITALY: 1 ♀, same data as the holotype (VM, Verona); 1 ♂, same data (VM, Verona); 1 ♀, Forca Viola (*S. Rufo*) (BMNH); 1 ♀, Pian Grande (*S. Rufo*) (BMNH).

The holotype is in good condition.

Tenthredo variana Benson, 1930a : 107.

Replacement name for *Tenthredo variabilis* Mocsáry, 1909, junior primary homonym of *Tenthredo variabilis* Klug, 1844.

Tenthredopsis convergens Benson, 1954d : 282, 283. Holotype ♂, ISRAEL: Elon, 16.vii.19— (*B. N. Bytinski-Salz*) (BMNH, No. 1.716).

The holotype has two segments of the left antenna missing and only seven segments of the right antenna remain. The genitalia of the holotype are mounted on a slide labelled '22.ix.52-1.J.Q.'

Tenthredopsis guichardi Benson, 1968a : 158, 162. Holotype ♀, TURKEY: Ankara, Kubuk, 830 m, 22.v.1960 (*Guichard & Harvey*) (BMNH, No. 1.816).

Paratypes. 3 ♂, 5 ♀, same data as the holotype except date 21-22.v.1960 (*Guichard & Harvey*) (BMNH).

The holotype is in good condition.

Tenthredopsis harveyi Benson, 1968a : 158, 163. Holotype ♀, TURKEY: Bolu, Ala Dagi, 2000 m, Kastal Kaya Tepe, 15.vii.1962 (*Guichard & Harvey*) (BMNH, No. 1.817).

The holotype has four segments only of the left antenna remaining.

Urocerus gigas subsp. ***taiganus*** Benson, 1943c : 39. Holotype ♀, FINLAND: watershed between 70° 0'-70° 17'N. and 25° 50'-26° 55'E., 1000-2000 ft, 19-20.vii.1938 (*A. F. O'Farrell*) (BMNH, No. 1.44).

Paratypes. FINLAND: 1 ♀, same data as the holotype (BMNH); 1 ♀, near Kunes, coastal area between 70° 17'-70° 23'N. and 26° 40'-26° 55' E., 23.vii.1938 (*A. F. O'Farrell*) (BMNH). U.S.S.R.: 1 ♀, North Russia, Kola Gulf, vii.1918 (*A. G. Garment*) (BMNH); 3 ♀, Siberia (Cameron Coll.) (BMNH); 1 ♀, S. W. Siberia, Kolpaslevo, 20.vii.1924 (*G. Bei-Bienko*) (BMNH).

The holotype is in good condition except that only two segments remain of the right antenna.

Urocerus gigas subsp. ***tibetanus*** Benson, 1943c : 39. Holotype ♀, CHINA (cited as Tibet): Zayul, Atakawg, 1300 ft, 9.viii.1933 (*F. Kingdon-Ward & R. J. H. Kaulback*) (BMNH, No. 1.43).

Paratype. Tibet: 1 ♀, 28° 25' N., 95° 55' E., 10 000-12 000 ft, 11.ix.1931 (*F. Kingdon-Ward*) (BMNH).

The holotype is in good condition.

Urocerus niger Benson, 1943c : 48. Holotype ♀, CHINA (cited as S.E. Tibet): Zayul, 7000-12 000 ft, summer 1935 (*R. J. H. Kaulback*) (BMNH, No. 1.42).

The holotype is in good condition except that 12 segments only remain of the left antenna.

Xenapates abyssinica Benson, 1939e : 120. Holotype ♂, ETHIOPIA: Bahar-dar, L. Tana, vii.1936 (*G. Guiglia*) (MCSNGD, Genoa).

The holotype is in good condition.

Xenapates fuscipes Benson, 1939e : 120. Holotype ♀, ETHIOPIA: Bahar-dar, L.Tana, vii. 1936.

Paratype. 1 ♂ (allotype), same data as the holotype (BMNH).

The holotype is in good condition.

Xenapates similis Benson, 1939e : 121. Holotype ♀, RHODESIA: Sawmills, 27.xii.1920 (BMNH, No. 1.333).

The holotype is in good condition except that the left hind tarsus is missing.

Xiphidiaphora erebus Benson, 1954h : 161. Holotype ♀, VIETNAM (NORTH) (cited as Indo China): Tonkin, Chapa, 21.v.1916 (*R. V. de Salvaza*) (BMNH, No. 1.658).

The holotype is in good condition.

Xiphydriola quadricincta Benson, 1935c : 168. Holotype ♀, JAVA: Pekalongan Province, vii. 1928 (*L. G. E. Kalshoven*) (RNA, Leiden).

The holotype is in good condition.

Xyela curva Benson, 1938a : 35, 36. Holotype ♀, AUSTRIA: Wiessenbach, River Triesting, v.1883 (Kolazy Coll.) (cited as NM, Vienna).

Paratypes. AUSTRIA: 4 ♂ (including allotype), Mauer, 15.iv.1869, 1 ♀, 'auf Betula Stammem', 15.v.1869 and 1 ♀, without data (Mann Coll.); 3 ♀, River Triesting, 1867 and 1 ♀, 1868 (Tschek Coll.); 1 ♀ (Kolazy Coll.); 4 ♀ (Ullerich Coll.); 2 ♀ (Simony Coll.); 1 ♂, 1 ♀, no data.

All are labelled 'juli det. Konow.' Benson states that all are in the NM, Vienna, except for 1 ♂, 4 ♀, in the BMNH.

I have been unable to confirm the location of the holotype; Dr Max Fischer informs me that it is missing from the NM, Vienna.

In the BMNH collection are 1 ♂, 2 ♀ paratypes, 1 ♂ same data as the allotype, 1 ♀, without data, 1 ♀ (Simony Coll.).

Xyela menelaus Benson, 1960b : 111. Holotype ♀, GREECE: Peloponnesos, Taiyeto Mountains, 21.v.1935 (*J. Aubert*) (MZ, Lausanne).

The holotype is in good condition.

Xyelatana helvetica Benson, 1961i : 171. Holotype ♀, SWITZERLAND: Grisons, Val Ftur, near Il Fuorn, 1900 m, 23.iv.1953 (*J. Aubert*) (BNN, Chur).

The holotype is in good condition.

Xyloperga forsiusi Benson, 1939g : 332. Holotype ♀, AUSTRALIA: Victoria, no other data, label reads 7 (16.x.1934) publ. as (NMV, Melbourne) should read (QM, Brisbane, T.5945).

Paratype. AUSTRALIA: 1 ♀, Canberra, F.C.T. 8.xi.1929 (*G. A. Waterhouse*) (ANIC, Canberra).

The holotype is in good condition; the genitalia are mounted on a slide.

Xyloperga perkinsi Benson, 1935e : 227. Holotype ♀, AUSTRALIA: Western Australia, Cunderdin, (QM, Brisbane, T.5946).

Paratypes. 1 ♂ (allotype), same data as the holotype (QM, Brisbane, T.5947); 1 ♂, same data (QM, Brisbane, T.5943); 1 ♂, 1 ♀, same data (BMNH); 1 ♀, same data (paratype var.) (QM, Brisbane, T.5954).

PART II. A BIBLIOGRAPHY OF BENSON'S WORKS

The bibliography is arranged in chronological order with conjoint papers following in alphabetical order. Reviews are listed separately. Except for one joint paper with O. Conde, which is in German, they are all in English.

Works other than reviews

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- 1926. A Nematode worm parasitising a sawfly larva. *Entomologist's mon. Mag.* 62 : 140-141.
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- 1930b. On the occurrence of the sawfly *Arge ciliaris* L., in Britain. *Entomologist's mon. Mag.* 66 : 113-114.
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- 1931a. Notes on the British sawflies of the genus *Athalia* (Hymenoptera, Tenthredinidae), with the description of a new species. *Entomologist's mon. Mag.* 67 : 109-114, 3 figs.
- 1931b. Notes on the habits and the occurrences of *Athalia* species in Britain. *Entomologist's mon. Mag.* 67 : 134-137.
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